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1931

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WHEN MORNING COMES

CHARLES W. BOLGIANO
PRESIDENT
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DEAR FOLKS:

Of more importance than ever before is the need of careful planning which lies before us. There will come no aid nor even satisfaction from sitting back and groaning over hard times, parched fields and dry springs. More than ever before we need to look ahead, and looking ahead, to do so hopefully.

We need not forget that there has been a past. In fact, our best plans, the ones surest to bring fruit, will be those weighed in the scales of past experience. There will be those, who through experimentation this past year, obtained successful results from drought control and will want to expand their gardens under artificial water supply. All will feel an urge to weigh each purchase carefully; to see that the best fertilizers, the ones giving the biggest returns per dollar spent, are used; to see that the best tools are provided for the most thorough ground preparation and cultivation, moisture conservation; to obtain the best in seeds, high in viability, the ones that will give uniform crops that will attract contented customers in largest volume at times when they most need and want fresh, crisp vegetables and fruits.

To those who plan this carefully, the darkness will brighten soon. It will be good to see fresh, crisp gardens again, to walk among them in the dew. The twilight will break through when we least expect it, but he who has carefully planned will be ready for it and will profit greatest by it. Beauty will be easy to see then. The land will be fresher, purer, happier, when morning comes.

Cordially yours,

CHARLES W. BOLGIANO,
OR MISTER CHARLES.

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SEEDS DELIVERED FREE. Packets, Ounces, Quarter Pounds, or Pounds of all Vegetable Seeds, ordered at list prices, will be sent FREE by Parcel Post. This also applies to Peas, Beans, and Sugar Corn by the Packet, Pint and Quart; larger quantities than these, carrying charges extra. This DOES NOT APPLY to Field and Grass Seeds and Seed Potatoes, which will be sent at regular Parcel Post or Express Rates. Orders for greater than one-pound lots will also be delivered at regular parcel post or express rates.

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MONEY can be sent at our risk by Post-Office or Express Money Order, New York or Chicago Draft, or by registered letter. We cannot hold ourselves responsible for cash sent loose in letters.

AN ORDER BLANK for your convenience in placing your order will be found in this catalog.

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GIVE FULL DIRECTIONS always whether shipment is to be made by freight, express or parcel post.

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United States Parcel Post Rates—Fourth-Class Matter

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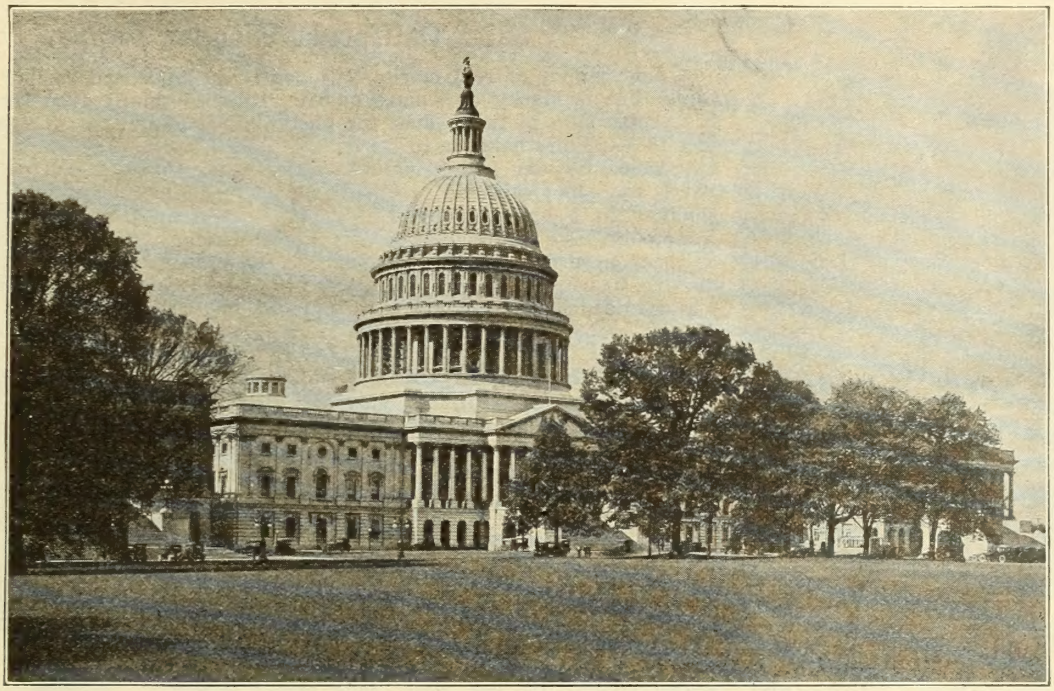
Bolgiano's Lawn Grass Seeds

Make Beautiful Lawns

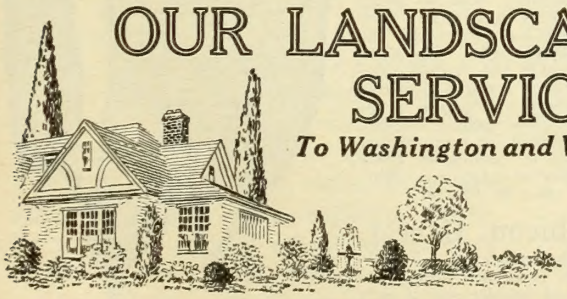


Mixtures For All Purposes

BOLGIANO'S FAIR GREEN LAWN GRASS
With Creeping Bent

There has long been an increasing demand for the use of bent grass in lawns, in fact, many have tried to make pure bent grass lawns and have not always been satisfied.

Recognizing this unfilled want, we have in cooperation with the best grass experts, produced a mixture of fine grasses that we now offer as Fair Green. The grasses in Fair Green Mixture were selected on the basis of years of experimentation on lawn and golf course work here in Washington. For a base there is still nothing superior to Kentucky Blue Grass, which remains evergreen all winter. Then there's a grass that resists the dry summer weather; one to grow quickly giving an even sod in a short time; the old favorite white clover that most people want in abundance, and finally bent grass to give that dense undergrowth and velvety appearance so wanted by all. **1 lb. 65 cts.; 5 lbs. $3.00; 10 lbs. $5.50; 25 lbs. $12.50.**



OUR LANDSCAPE SERVICE
To Washington and Vicinity

DESIGNING. We will make a plan of planting arrangements for your property, indicating the varieties of plants to be used. The value of having a definite plan when you start to landscape your grounds is evident to all. It means that when the work is finally complete there will be a coordination of effects in all the plantings which ties them together in an attractive and harmonious whole.

PLANTING. We supply and plant most all varieties of shrubs, evergreens, trees and perennial plants.

LAWNS. We make and renovate lawns.

MAINTENANCE. We will take care of your place while you are away for the summer or during the whole year, attending to the necessary spraying, pruning, fertilizing, etc.

BOLGIANO'S "CAPITOL PARK" LAWN GRASS SEED

This is the old standard mixture that has greatly helped to make Washington the city beautiful. This mixture has for many years been used in seeding many of the handsome lawns surrounding the Government buildings. It is composed of the very finest varieties of grasses, thoroughly recleaned, free from all chaff and weed seeds. Contains a well balanced blend of various American and foreign fine-bladed and deeply-rooting grasses which has proved to produce the best results under the varied conditions as to soil and climate met with in America. It will give a green, smooth, velvety sod with a thick bottom and free from such varieties of common grasses as produce clumps and knots on the lawn which so frequently spoil the desired smooth and deep effect. **Lb. 40 cts.; 5 lbs. $1.75; 25 lbs. $8.25; 100 lbs. $30.00.**

Bolgiano's "SHADY NOOK" LAWN GRASS SEED
The Grass That Will Grow in Shady Places

It will quickly produce an abundant and even growth of beautiful green grass. The grasses used in making this special mixture are only those that are well adapted for growing in shade and as it blends well with our Capitol Park Lawn Grass Seed it may be used on those portions of the lawn which are shaded by trees, buildings, etc., thus covering the whole area with a beautiful carpet of green.

Pkt. 10c; lb. 45c; 5 lbs. $2.00; 25 lbs. $9.25; 100 lbs. $35.00.

FOR FAIRWAYS

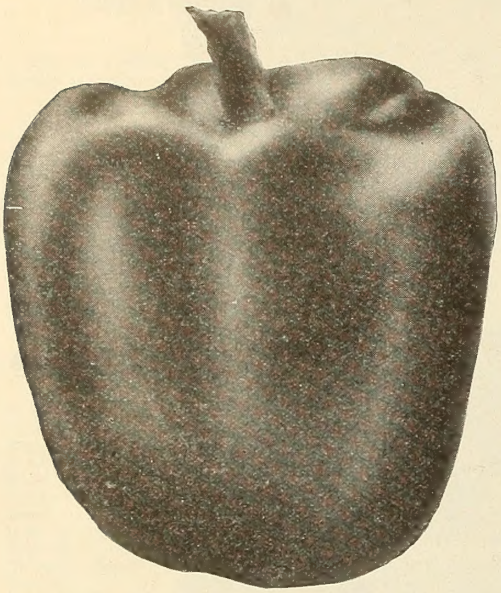
While it is not necessary here to have the grass so fine and evenly grown, it is still desirable to present a smooth velvety turf that will remain green throughout the season and grow vigorously at all times. Please write for prices.

FOR PUTTING GREENS

This is where it is necessary to have a low close growing grass that will maintain a spring turf tough enough to withstand tramping in all kinds of weather. We are ready to supply you these seeds and will be pleased to figure with you for your individual requirements. Please write for prices.

Write for Our Free Booklet "How to Make and Maintain a Lawn."

Bolgiano's "Best In Garden" Varieties



California Wonder Pepper

70. Princess Juliana Spinach.

Holland is the home of Spinach and this, the finest variety of spinach yet introduced, was named in honor of Princess Juliana, the daughter of Holland's famous queen. The Princess Juliana is of the long season type with large, crumpled, rich, dark green leaves. It is valuable for either Spring or Autumn planting. It is absolutely without male plants which is the cause of its standing so long without shooting to seed. We believe that Princess Juliana Spinach will become the most popular variety on the market, not only for its rapid, uniform growth, and delicious and tempting flavor, but also because it remains in prime condition longer before bolting to seed than any other sort. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 20 cts.; lb. 45 cts., postpaid; 10 lbs., 30 cts. lb.; 25 lbs., 25c lb.; 100 lbs., 18 cts. lb., not postpaid.**

Italian Green Sprouting Broccoli

328. California Wonder Pepper

A new pepper of real merit. It's nearly as large and earlier than Chinese Giant, but is blocky or square ended. It is especially free from roughness. It's pretty as a picture. Just the ideal shape. It will sit upright and is perfect to stuff and bake or to serve whole with salad. Its walls are exceptionally thick, heavier and firmer than any other sort. The flesh is deliciously sweet and spicy with no bite to it. The bright attractive green when young changes to a brilliant light crimson as they mature. Full grown peppers commonly have a breadth of 4 inches and a length of 4½ inches, weighing as much as a full pound. The plants are slightly spreading, sturdy and productive, bearing from 5 to 9 large fruits to a setting. For the home gardener, market gardener and shipper, this is the ideal pepper. Give it a trial. **Pkt. 10 cts.; oz. 55 cts.; ¼ lb. $1.90; lb. $7.00.**

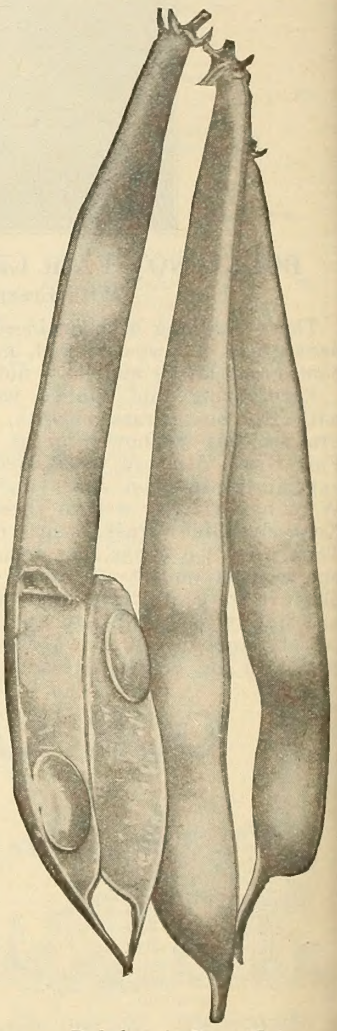
585. Bolgiano's Best Yet Wax Bean. Absolutely stringless. An instant success with all who have grown it. Although one of the newest members of the bean tribe, **Bolgiano's Best Yet** has already attained a high place among the wax-podded sorts. The rich lemon yellow flat pods grow in large numbers on the erect and bushy plant. No garden will be complete without them. **Pkt. 10c; pt., 45c; qt., 80c, postpaid; pk., $3.70; bu., $13.80, not prepaid.**

10591. Bolgiano's Stringless Greenpod Beans. This superior bean has been carefully selected and grown to satisfy the most critical grower. The long, round, fleshy pods, 5 to 6 inches long, are brittle and tender. Delicious flavor, absolutely stringless. Produce big crops of perfect green pod beans. It is indeed a great pleasure to offer you this wonderful bean. We know it will please you. Let us have your order early. **Pkt., 10c; pt., 40c; qt., 75c. postpaid; pk., $3.40; bu., $12.60, not prepaid.**

117. Bolgiano's New Early Cabbage. Has gained its present pre-eminence among vegetables through merit alone. We would not wish you to think it the earliest cabbage offered, for in season it follows the Wakefields. It is in production and quality, however, that we find it excelling other market varieties. The immense hearts develop with remarkable rapidity and are noticeable for the very small growth of outer spreading leaves, making it possible to grow more New Earlies to the acre than other more spreading sorts. **Pkt., 10c; oz., 25c; ¼ lb., 90c; lb., $3.25, postpaid.**

79. Bolgiano's No. 2 Scarlet Globe Radish. Is the very best in every way. It is handsome in form and color, beautiful oval and rich scarlet. The amount of its foliage is small, compared with other varieties, and small for the size of the radish. The peculiar merit of this variety as a forcing radish is that it will bear the heat requisite for forcing without becoming pithy or spongy. The flesh is tender, juicy and mild. It is equally as good for open garden as for forcing, and therefore it commends itself equally to the amateur and market gardener. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 85 cts.**

222. Early Rubicon Carrot. A half long orange, stump-rooted carrot, of a beautiful, deep-red orange color. It is earlier than Danver's, about the same length, but heavier and thicker at the shoulder, making it more productive. It is a wonderfully heavy cropper, producing 3 to 4 tons to the acre under good culture. **Pkt. 10 cts.; oz., 15 cts.; ¼ lb., 35 cts.; lb., $1.25.**



Bolgiano's Best Yet Wax Beans

235. Broccoli Italian Green Sprouting Or Early Green Calabrese

Rapid Growing. Produces a large head at center of plant in about ninety days from date of planting. Resembles cauliflower only in shape or formation as the color is dull bluish green. After the center head is removed, the plant produces many branches, each bearing smaller terminals and lateral heads which are as fully desirable as the first heads produced. If these heads are gathered as soon as they become large enough for use, the plant will continue to produce for a period of from eight to ten weeks. If served in the same way as asparagus makes a very tasty dish fully equal to cauliflower. Sow in the Spring, Summer or Fall and cultivate same as cauliflower. **Pkt., 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. $2.50, postpaid.**

257. Break O'Day Tomato

The Most Recent Perfection in Tomatoes

Break O'Day Tomato

Globe Shaped—Every Good Quality of the Marglobe—Two Weeks Earlier Than Marglobe

We are pleased to be able to offer a small quantity of seed of this wonderful tomato which is the result of the most recent and scientific research in tomato growing by Dr. F. J. Pritchard.

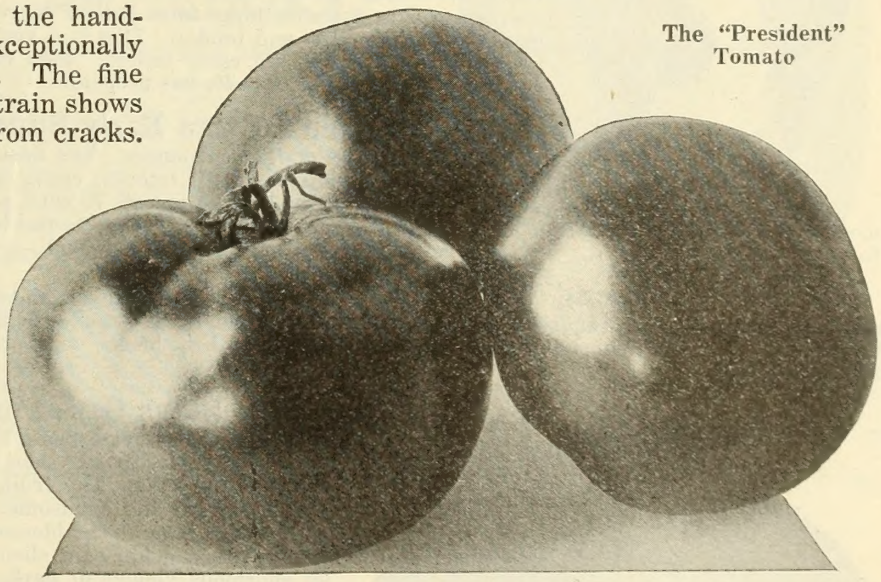
Break O'Day is a hybrid from Marglobe and other earlier tomatoes. It possesses all the wilt and disease resistance of the Marglobe, but ripens very nearly as early as the Earliana or at least two weeks before the Marglobe. It is the only Extra Early Tomato of a deep globe shape, with few seeds and with the solidity of Marglobe. It is an extremely good shipper and ripens very red. It has foliage similar to the Earliana. Its especial value will be to the market gardener in enabling him to put a large crop of excellent quality globe-shaped tomatoes on the early market. It holds well during the hot weather and is an abundant yielder throughout the entire season. No acid, just full of deliciously sweet, beautiful red meat. We can highly recommend Break O'Day to market gardeners, kitchen gardeners and canners. **Pkt. 25 cts.; ½ oz. $1.10; oz. $2.00; ¼ lb. $7.50, postpaid.**

77. The "President" Tomato

The "President" Tomato is one of the handsomest tomatoes grown. It has an exceptionally fine red color. Mild, delicious flavor. The fine breeding and careful selection of this strain shows up in the fruit. It is absolutely free from cracks.

The "President" Tomato ripens earlier than many varieties that are usually planted for early use and is an abundant and continuous bearer.

The "President" Tomato produces vines that are well set with fruit, bearing from the ground to the top of the vine. At times the vines are so full that they can hardly hold all the fruit that they produce. The vines are short jointed, vigorous and healthy. So pure in type, they are almost identical in all respects. They keep vigorous and green until frost and then are full of fruit.



The "President" Tomato

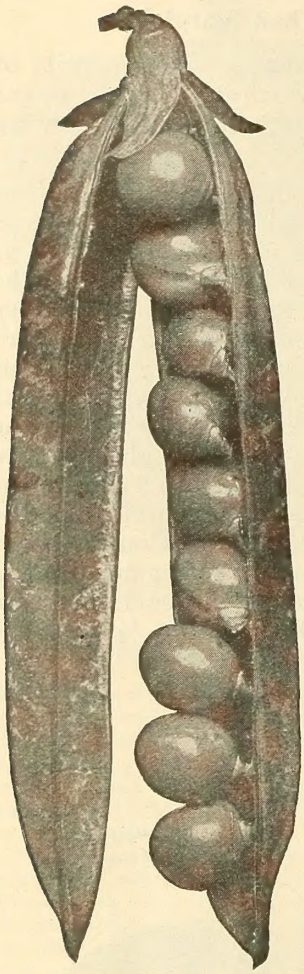
The "President" Tomato produces at every joint large clusters of good size, smooth, firm, beautifully shaped fruits, uniform in shape, color and size. They ripen evenly and color up well.

The "President" Tomato is decidedly disease resistant. It has proven absolutely blight-proof when other crops, side by side, were ruined with blight.

The "President" Tomato produces but very few seeds; the seeds are therefore well matured, full of life and vigor and will germinate quickly and produce strong, vigorous, thrifty plants.

The "President" Tomato being such an extremely shy seeder, we suggest that you send in your order as early as possible before our limited supply is exhausted. **Pkt. 25c and 50c; oz. $2.25; ¼ lb. $7.50; lb. $25.00, postpaid.**

Plant Liberally—"Best In Garden" Varieties

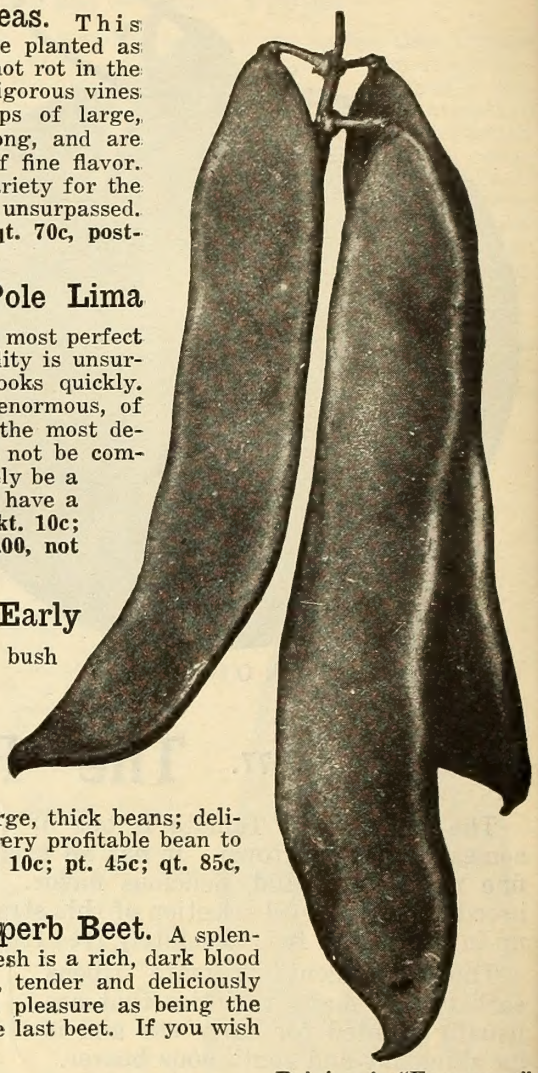


Early Bird Peas

532. Bolgiano's "Early Bird" Peas. This wonderful semi-wrinkled dwarf variety can be planted as soon as the ground can be worked. They do not rot in the ground like fully wrinkled peas. The dwarf vigorous vines measure 18 inches and carry enormous crops of large, beautiful, deep green pods, 4 to 5 inches long, and are filled with 9 to 10 large blue marrow peas of fine flavor. Bolgiano's "Early Bird" Pea is a profitable variety for the market gardener. For the home gardener it is unsurpassed. Send your orders early. **Pkt. 10c; pt. 40c; qt. 70c, postpaid; pk. $2.90; bu. $10.75, not prepaid.**

573. Bolgiano's "Evergreen" Pole Lima Beans. We offer you the "Evergreen" as the most perfect green bean that we have ever seen. The quality is unsurpassed, fine flavor; tender, thin skin, and cooks quickly. Bears continually until frost. The yield is enormous, of large pods hanging in clusters, filled full of the most delicious beans. Really your home garden will not be complete without the "Evergreen," and it will surely be a profitable bean for the market gardener. We have a limited supply. Place your order at once. **Pkt. 10c; pt. 45c; qt. 80c, postpaid; pk. $3.75; bu. $14.00, not prepaid.**

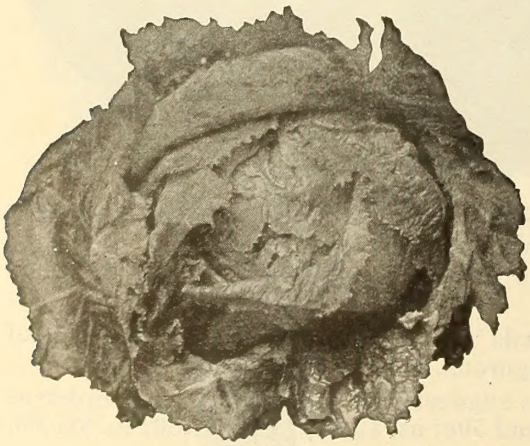
10569. Bolgiano's "Enormous" Early Bush Limas. This wonderful improved bush lima has attracted the attention of the market and home gardeners. It is the earliest large bush lima ever introduced; yields continually from early June until killing frost. The plant grows upright about 30 inches high, producing great clusters of pods measuring 4 to 5 inches long, filled full of large, thick beans; delicious flavor, thin skin and tender. This is a very profitable bean to grow. We can supply all early orders. **Pkt. 10c; pt. 45c; qt. 85c, postpaid; pk. $4.25; bu. $16.20, not prepaid.**



Bolgiano's "Evergreen" Pole Lima Beans

218. Bolgiano's Extra Early Superb Beet. A splendid new variety for market gardeners. The flesh is a rich, dark blood red. Small tap root, perfectly smooth, crisp, tender and deliciously sweet. We can certainly recommend it with pleasure as being the most uniform in both color and shape, and it remains nice and tender to the last beet. If you wish to plant a good beet, try it. **Pkt. 10c; oz. 15c; ¼ lb. 40c; lb. $1.35, postpaid.**

82. Farr's Benning White Bush Squash. The earliest white bush squash on the market. The color is a beautiful green tinted white. Tender and an excellent cooker. No fiber or hard substance. Enormously productive; fine flavor; growth is bushy with no runners. **Pkt. 10c; oz. 15c; ¼ lb. 45c; lb. $1.50, postpaid.**



Masterpiece Lettuce

312. Stays Green or Black Diamond Cucumber. The cucumber that stays green. The earliest of the White Spine type. Holds its dark green color longer than any variety we know of. It is adapted to all sections and soils. The fruit grows 7 to 8 inches in length, cylindrical in shape, smooth and handsome. The color dark green from end to end with little white rays at the blossom end. The flesh is white, firm, crisp and of the very best quality for slicing. The vine makes a vigorous growth and is an enormous yielder of dark, always green cucumbers. **Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. $1.25, postpaid.**

92. Bolgiano's "Masterpiece" Lettuce. Market gardeners and lettuce growers all over the country are now growing the "Masterpiece" for their late spring, summer and early fall crops. No matter how hot or how long it remains in the garden it will keep crisp, tender and sweet. No bitterness. It will not go to seed quickly. Sure header, can be grown in open ground after danger of frost is over, all during the summer and early fall. Never spots or turns dark in any part. Will stand shipping to any part of the United States and remain as crisp as ice. You will find it a profitable variety to grow. Send your order to us immediately. **Pkt. 10c; oz. 25c; ¼ lb. 80c; lb. $2.75, postpaid.**

Bolgiano's "Seeds that Succeed" for 1931

We Pay Postage on All Vegetable Seed Ordered by the Pkt., Ozs., ¼ Lbs. and Lbs. Excepting Peas, Beans and Corn. On These We Pay the Postage Only on Pkts., Pts. and Qts. Larger Quantities Carrying Charges Extra

ASPARAGUS

One ounce to 50 feet of drill
About 4 pounds to the acre

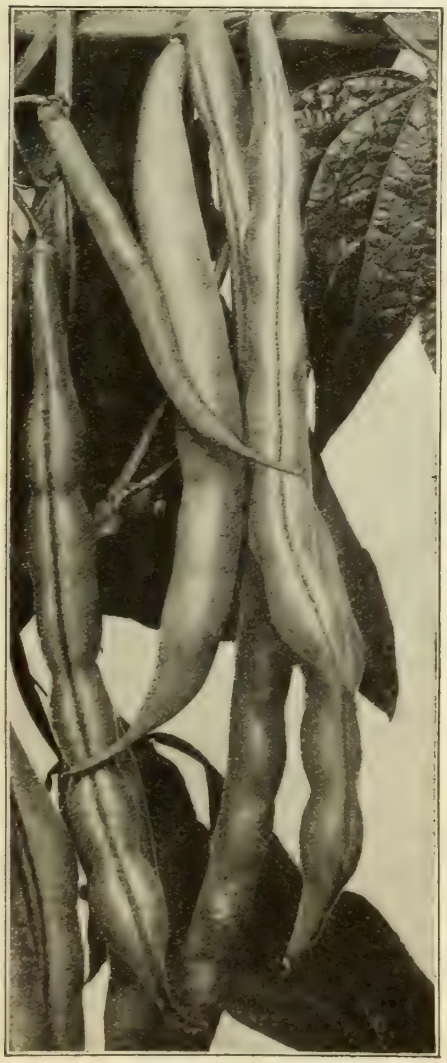
CULTURE. Sow the seed thinly in rows 1 foot apart in April or May (4 to 5 pounds to the acre) and keep down all weeds. To secure strong, healthy plants, thin the seedlings to 3 or 4 inches in the rows, saving only the strongest. The one-year-old plants should be set out in the spring in rich, sandy loam, dug 18 inches deep, into which has been worked a plenty of well-rotted manure. If a stiff clay soil is all that can be had, add a plenty of sand and sifted coal ashes to loosen it up, and also see that it is well underdrained. In planting for private use, set out in beds 5 feet wide, 3 rows in a bed, the outer being each 1 foot from the edge, and allow 18 inches between rows. Set the plants from 4 to 6 inches below the surface. If set out in autumn, top-dress with 6 inches of manure.

167. Mary Washington. This variety which has been selected by the United States Department of Agriculture has proven to be nearly rust free. The shoots are thick and heavy. They are long and straight with closely folded tips. The color is rich dark green tinted deeper at the tips. It is a very heavy yielder of exceptionally fine flavor. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 50 cts.; lb. $1.75, postpaid.**

247. Washington. Rust resistant, and combined with this most desirable feature we find it to be of extremely uniform type and very vigorous. The large shoots are excellent quality, having a rich, deep green color with faintly purple tinted tips. **Pkt. 10 cts.; oz. 15cts.; ¼ lb. 45 cts.; lb. $1.50, postpaid.**

149. Palmetto. Produces abundantly large deep green shoots of fine quality. It is still more widely used than any other variety. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts., postpaid.**

Mary Washington Asparagus



Bolgiano's Stringless Greenpods

Asparagus Roots

Plant either in spring or fall. **By mail, 20 cts. per 100 extra.**

PALMETTO. 2-year-old roots, 12 for 40 cts.; 100 for $1.50; 1,000 for $10.00.

WASHINGTON. 12 for 50 cts.; 100 for $1.75; 1,000 for $12.00.

ARTICHOKE

One ounce will produce about 500 plants

CULTURE. Sow seeds in January in the greenhouse or in hotbeds in March. Transplant when large enough in rows 3 feet apart, 2 feet in the row. Cultivate when growing, freely, and protect the plants in winter by taking them in a cellar or in a cold frame, or they may be left outdoors protected by straw in a climate that is not too severe. Artichokes properly cared for last for several years.

248. Green Globe. **Pkt. 10 cts.; oz. 75 cts.**

BEANS

One quart will plant 100 feet of drill; 1 to 2 bushels to the acre

CULTURE. About the first of May, if the ground is perfectly warm, select a warm, dry, sheltered spot; dig and manure slightly; make drills 2 inches deep and 18 inches to 2 feet apart; drop the beans 3 inches apart in the drills and cover not more than 2 inches deep. Hoe well in dry weather to keep down the weeds. Sow every 2 weeks for a succession. **For mailing, see Parcel Post Rates, page 2.**

Seed beans weight by Parcel Post, including packing: Pint, 2 lbs.; Qt., 3 lbs.; 4 Qts., 9 lbs.; Pk., 17 lbs.

Green Pod Bush

10591. Bolgiano's Stringless Green Pod. ("Best in Garden" Variety. See page 4.) A superior strain that is without equal for home or market use, absolutely stringless, producing heavy crops of long, meaty pods. **Pkt. 10 cts.; pt. 40 cts.; qt. 75 cts., postpaid; pk. $3.40; bu. $12.60.**

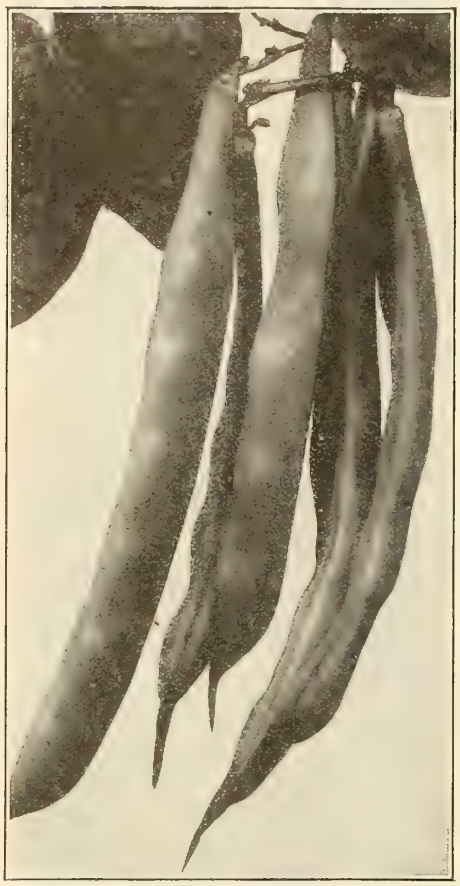
596. Black Valentine. The popularity of this bean is due to its extreme hardiness and productiveness, and it is a general favorite among truckers for early spring markets because no other bean excels it in its attractive appearance on the market after distant shipment. This very quality, however, is due to the inherent toughness of pod which makes it undesirable for home gardens. The dark green pods are nearly round and medium size. They mature early. **Pkt. 10 cts.; pt. 35 cts.; qt. 65 cts., postpaid; pk. $2.80; bu. $10.20.**

593. Red Valentine. Will produce beans for home market earlier than any other variety. The pods are of good quality and medium in color and size. Its ability to produce a crop under adverse conditions together with earliness makes it one of the market grower's favorites. **Pkt. 10 cts.; pt. 40 cts.; qt. 70 cts., postpaid; pk. $2.90; bu. $10.80.**

One Large 10c Pkt. Any Three Varieties of Beans for 25c, Postpaid.

Parcel Post Rates
See Page 2

BEANS—Green Podded Bush (Continued)



Early Bountiful Beans

591. Giant Stringless. Used more universally than perhaps any other bean, being very popular among home gardeners, market growers, and canners. Exceedingly handsome and productive, with very long, nearly round pods of medium green color. The pods are straighter than Stringless Green Pod and are matured a few days later. The plants are vigorous, being large and spreading. **Pkt. 10 cts.; pt. 40 cts.; qt. 75 cts., postpaid; pk. $3.25; bu. $12.00.**

595. Stringless Green Pod. A very early and prolific variety having long, round, fleshy, medium green pods. It has a long bearing season, making it very desirable for the small garden. It is larger than Red Valentine and retains its crispness and tenderness longer. **Pkt. 10 cts.; pt. 40 cts.; qt. 70 cts., postpaid; pk. $3.00; bu. $11.40.**

10596. King of the Earliest. One of the earliest and hardiest of the green varieties. It will retain its fresh, green appearance after being picked for long periods of time. While it will stand the cold, wet early springs it is best known for its productiveness in the dry periods of the late summer when the last crops are produced. **Pkt. 10 cts.; pt. 35 cts.; qt. 65 cts., postpaid; pk. $2.80; bu. $10.20.**

587. Early Bountiful. Has long been a home garden favorite and has become a rival of Black Valentine among truckers, being of much finer quality, and although not as hard, it will stand shipment well. The quality is excellent, having long, flat, meaty, light green pods which are absolutely stringless. **Pkt. 10 cts.; pt. 40 cts.; qt. 75 cts, postpaid; pk. $3.25; bu. $12.00.**

582. Refugee, or 1,000 to 1. Most popular variety for fall planting. The large, hardy plants with heavy foliage form splendid protection to the abundant round pods from early frosts. The pods are of good quality, standing shipment excellently, as well as being popular for canning. **Pkt. 10 cts.; pt. 40 cts.; qt. 70 cts., postpaid; pk. $2.90; bu. $10.80.**

589. Full Measure. A fine quality bean that has gained popularity as a market variety and is also satisfactory for home planting. Pods are similar in size and shape to Giant Stringless. Medium in season. **Pkt. 10 cts.; pt. 40 cts.; qt. 75 cts., postpaid; pk. $3.60; bu. $13.20.**

586. Stringless Refugee Green Pod. Very similar in all respects to Refugee or Thousand to One, although slightly later. Being absolutely stringless, the pods are of much finer quality. It has gained its greatest popularity among canners, although it should prove useful for late home and market crops. **Pkt. 10 cts., pt. 45 cts.; qt. 80 cts., postpaid; pk. $4.00; bu. $15.00.**

509. Tennessee Green Pod. This early intermediate snap bean is very popular in some sections of the south and where known in other parts of the country is considered of exceptional merit. It is the longest podded dwarf sort. The plants are large, somewhat spreading and prolific. The foliage is dark green, with leaves large and crumpled. The pods are very long, often six to seven inches, flat, irregular in shape, bright but rather dark green and of exceptionally fine flavor. The green shell pods are much depressed between seeds. Seed of medium size, oval, flat, yellowish brown in color. **Pkt. 10 cts.; pt. 40 cts.; qt. 75 cts., postpaid; pk. $3.25; bu. $12.00.**

584. Dwarf Horticultural. Very productive, pods of medium length with splashes of red. Always stringless and desirable for cooking when young. The green shelled beans are of the finest quality and are matured early. **Pkt. 10 cts.; pt. 45 cts.; qt. 80 cts., postpaid; pk. $3.70; bu. $13.80.**

519. Boston Pea, or White Navy. The most popular of all the so-called baking beans. Easily grown and very productive. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.65; bu. $9.50.**

Dwarf Wax Snap

585. Bolgiano's Best Yet. **("Best in Garden" Variety, see page 4.)** Among the finest of late introductions. It is erect and bushy in habit of growth, bearing heavily rich lemon yellow, flat pods which are brittle and absolutely stringless. Its resistance to disease assures wonderful yielding qualities that recommend them highly to the home grower, trucker, and canner. You will fall quite in love with their tenderness and delicious flavor and, after growing them once, they will be assured of a permanent place in your garden. **Pkt. 10 cts.; pt. 45 cts.; qt. 80 cts., postpaid; pk. $3.70; bu. $13.80.**

594. Improved Rust-Proof Golden Wax. An early and valuable sort for home and market garden, being quite productive of well-shaped, medium-sized flat pods. **Pkt. 10 cts.; pt. 40 cts.; qt. 75 cts., postpaid; pk. $3.25; bu. $12.00.**

514. Wardwell's Kidney Wax. A slightly later than Golden Wax, bearing long, broad, golden yellow pods quite resistant to rust. Of value to the market grower. **Pkt. 10 cts.; pt. 40 cts.; qt. 75 cts., postpaid; pk. $3.60; bu. $13.20.**

Bolgiano's Best Yet Wax

Parcel Post Rates
See Page 2

BEANS

Seed Beans weight by parcel post, including packing: Pint, 2 lbs.; qt., 3 lbs.; 4 qts., 9 lbs.; pk., 17 lbs.

Dwarf Wax Snap (Continued)

Bolgiano's New Wax

583. Bolgiano's New Wax. The pods are absolutely stringless, are round and clear light yellow in color. The plants are very vigorous and branching in habit, producing medium sized round pods in abundance. It is unusually free from rust and quite early. A splendid variety in the home garden or for market use. **Pkt. 10 cts.; pt. 45 cts.; qt. 80 cts., postpaid; pk. $3.70; bu. $13.80.**

513. Davis Kidney Wax. A popular variety for shipping. The plants are hardy, vigorous and productive, bearing very long, light yellow pods that are attractively crisp and tender. The white, dried beans are quite desirable for winter cooking. **Pkt. 10 cts.; pt. 40 cts.; qt. 75 cts., postpaid; pk. $3.25; bu. $12.00.**

512. Hodson Wax. A hardy vigorous variety that is popular with truckers for shipping. The pods are very long, flat, but fleshy, light yellow and very resistant to rust, quite tender and stringless if picked young. A popular late or main crop market bean. **Pkt. 10 cts.; pt. 40 cts.; qt. 75 cts., postpaid; pk. $3.25; bu. $12.00.**

529. Currie's Rust-Proof Wax. Being very early and productive it ranks first among truckers for shipping. The pods are similar in shape to Golden Wax but longer. The plants are hardy and quite resistant both to frost and rust. **Pkt. 10 cts., pt. 40 cts.; qt. 75 cts., postpaid; pk. $3.25; bu. $12.00.**

592. Sure Crop Stringless Wax. A very fine flavored, tender bean. The pods are more fleshy, nearly round, and better quality than Currie's Rust-Proof, but being somewhat later are used more by market and home growers. **Pkt. 10 cts.; pt. 40 cts.; qt. 75 cts., postpaid; pk. $3.40; bu. $12.60.**

588. Pencil Pod Wax. A medium early stringless sort, which is used by market growers and home gardeners. The very fine, long, bright yellow pods are produced through a long season, on plants that are fairly hardy and quite productive. **Pkt. 10 cts.; pt. 40 cts.; qt. 75 cts., postpaid; pk. $3.25; bu. $12.00.**

Climbing, or Pole Beans

581. Kentucky Wonder, Old Homestead. This variety is one of the earliest and most desirable of all the green podded running types. It is enormously productive; the pods, hanging in great clusters from base to top of pole, are of a silvery green color and entirely stringless, growing rough and spongy as the beans ripen. They cook deliciously tender at all times and are very popular among home and market gardeners. **Pkt. 10 cts.; pt. 35 cts.; qt. 65 cts., postpaid; pk. $2.80; bu. $10.20.**

518. Lazy Wife. One of the best for snaps of the later green podded pole beans. The numerous pods, borne in large clusters, are 5 to 7 inches long, broad, thick, fleshy, and entirely stringless. When young they have a rich buttery flavor, which is retained until they are nearly ripe. The dry beans are excellent for winter use. Seed, white. **Pkt. 10 cts.; pt. 40 cts.; qt. 70 cts., postpaid; pk. $3.00; bu. $11.40.**

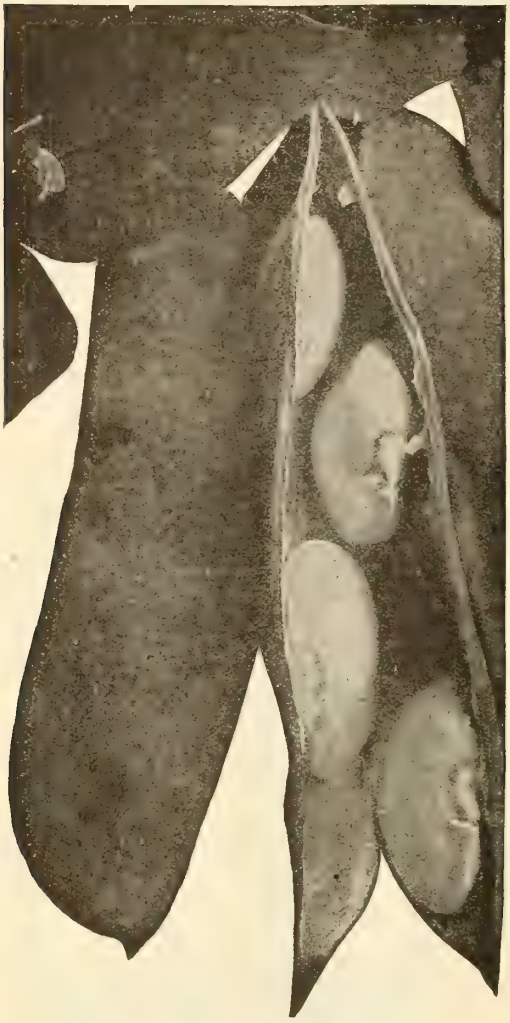
590. Cherry Pole, Horticultural, or Cutshort. Vines moderately large, light colored leaves; pods short, pale green, but becomingly streaked with bright red; beans large, oval, splashed and spotted with wine-red, and of the highest quality either green or dry. Many people like them better than Limas. Adapted for cool locations and short seasons. **Pkt. 10 cts.; pt. 40 cts.; qt. 70 cts., postpaid; pk. $2.90; bu. $10.80.**

516. Burger's Stringless Green Pod. White-seeded Kentucky Wonder. The pods average 6 to 8 inches in length, are uniformly straight, of a rich, dark green, and so meaty as to be really saddle-backed. The pods are as entirely stringless as the popular Stringless Green Pod Bush Bean; they are equally tender and of similar sweet, mild flavor. The dry beans are pure white. **Pkt. 10 cts.; pt. 40 cts.; qt. 75 cts., postpaid; pk. $3.25; bu. $12.00.**

520. Golden Cluster Wax. Extra strong in growth and very productive. The pods are of large size, 7 to 8 inches long by ¾ inch wide. Although flat, the pods of a rich golden yellow, are stringless and of excellent flavor. The dry seeds are thick and pure white. **Pkt. 10 cts.; pt. 40 cts.; qt. 75 cts., postpaid; pk. $3.60; bu. $13.20.**

213. Scarlet Runner. In northern locations, where the summers are cool and short, this takes the place of the Large Lima Beans. Plants are strong, quick growth, bearing large sprays of bright scarlet, pea-like flowers. When fully ripened, the dry beans are of bright scarlet, heavily blotched with purple. **Pkt. 10 cts.; pt. 45 cts.; qt. 80 cts., postpaid.**

Kentucky Wonder Beans



Bolgiano's Enormous Bush Lima.

Parcel Post Rates
See Page 2

BEANS—Bush Lima

10569. Bolgiano's Enormous Bush Lima. ("Best in Garden" Variety. See Page 6.) This wonderful Bush Lima is the earliest, largest and best of all bush limas; the vigorous bushes are crowded with enormous pods. The delicious green beans are larger than any other Lima Beans. It yields continuously from June until frost. Both the pods and the luscious flavored beans are much larger and considerably thicker than the large bush lima. The seed beans are greenish and very handsome, while the dried beans of the large bush limas are pure white. **Pkt. 10 cts.; pt. 45 cts.; qt. 85 cts., postpaid; pk. $4.25; bu. $16.20.**

575. Fordhook Bush Lima. Sometimes called the Potato Bush Lima. The plants are vigorous and erect bearing pods well above the ground. The medium green pods average nearly five inches long and are borne in heavy clusters. They are well filled with thick meaty beans which retain their green tint when dried. **Pkt. 10 cts.; pt. 45 cts.; qt. 85 cts., postpaid; pk. $4.50; bu. $17.40.**

569. Improved Large Bush Lima. An early large green seeded sort, quite vigorous and productive. The pods are very large, medium green, and are well filled with thick, large-sized beans of excellent flavor. It produces a magnificent crop for market or home garden. **Pkt. 10 cts.; pt. 45 cts.; qt. 85 cts., postpaid; pk. $4.00; bu. $15.60.**

571. Henderson's Bush Lima. It has merit in being productive and very early for family use, and where the trade demands a small-sized bean it has no superior. Makes a delicious dried bean for winter use. **Pkt. 10 cts.; pt. 40 cts.; qt. 75 cts., postpaid; pk. $3.25; bu. $12.00.**

578. Dreer's Bush Lima. An excellent variety that is very valuable to all on account of its productiveness. The beans grow close together in the pods, are thick, sweet, and succulent, very similar in shape to Fordhooks, but not quite so large. **Pkt. 10 cts.; pt. 45 cts.; qt. 85c., postpaid; pk. $4.75; bu. $18.00.**

10571. Wood's Prolific Bush Lima. **Pkt. 10 cts.; pt. 40 cts.; qt. 75 cts., postpaid; pk. $3.60; bu. $13.20.**

Pole Limas

One qt. to 150 hills; 10 to 12 qts. to acre.
Parcel Post Rates See Page 2

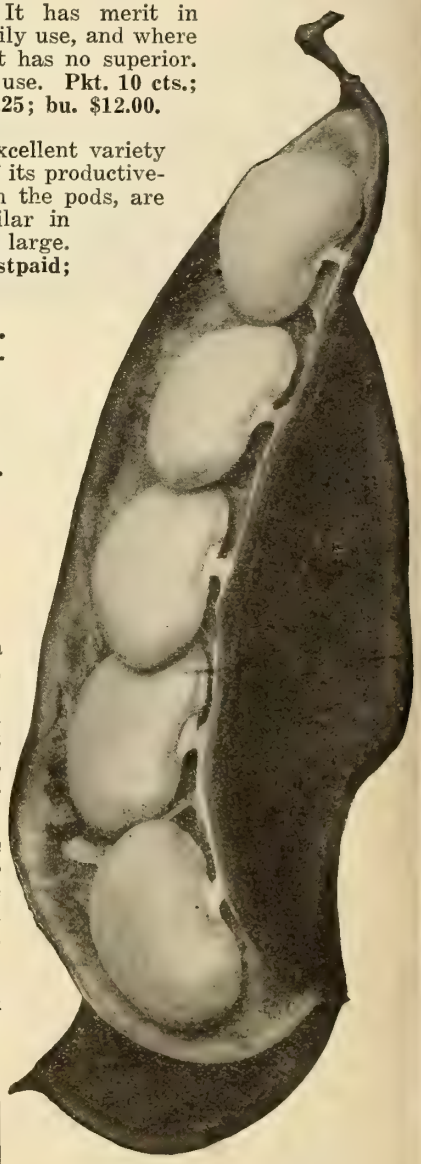
CULTURE. Choose light soil and make small hills 3 feet apart, having previously spaded deeply and fertilized. Plant long poles 2 feet deep in the center of the hills. Allow 6 beans to each hill, covering them barely beneath the surface, their eyes downward. Do not allow more than 3 to climb a pole, but remove extra plants to hills where less than 3 have sprouted. The lima bean is very delicate, and often from slight causes fails to sprout. They should not be planted until the ground is warm.

577. Bolgiano's "Emerald Isle" Pole Lima Bean. Is the greatest Pole Lima Bean nature has ever supplied. The largest podded, largest seeded, heaviest yielder, and most perfect Pole Lima that is grown. The mammoth pods measure 7 to 8¼ inches long, and 1½ to 2 inches in width. The vigorous growth of the vines will train rapidly over an arbor, and it is worth seeing the massive pods hanging in great clusters. You will really enjoy growing the "Emerald Isle"; it is early, fine flavor, and bears abundantly until killing frost. We want to supply you with our stock. Order at once. **Pkt. 10 cts.; pt. 45 cts.; qt. 80 cts., postpaid; pk. $3.75; bu. $14.00.**

573. Bolgiano's Evergreen Pole Lima. ("Best in Garden" Variety. See Page 6.) This might also be called everbearing because of its long season of vigorous production. Its meaty green beans are of the finest quality ever introduced, and are liberally produced in mammoth sized pods that hang in great clusters from the vines. **Pkt. 10 cts.; pt. 45 cts.; qt. 80 cts., postpaid; pk. $3.75; bu. $14.00.**

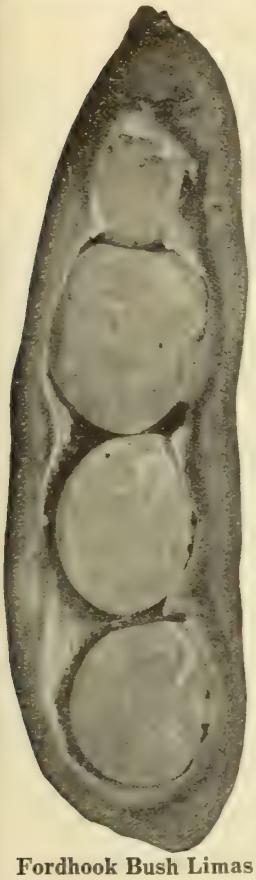
579. King of the Garden. Its vine has a luxurious growth which abounds with large pods, often 6 to 8 inches long, and filled with 5 or 6 perfect beans to a pod. These beans are large and luscious and remain green when dry. Medium early in season. **Pkt. 10 cts.; pt. 45 cts.; qt. 80 cts., postpaid; pk. $3.70; bu. $13.80.**

THE HOME VEGETABLE GARDEN, by E. M. Freeman. A book which shows how to grow fresh, crisp vegetables in your own garden and cut down on the grocer's bills. Full of practical details for laying out the garden, planting, and growing vegetables successfully. 8 illustrations, 214 pages. $1.75.



Bolgiano's Emerald Isle Pole Limas

BEANS—Pole Limas (Continued)



Fordhook Bush Limas

576. Siebert's Early Lima. In earliness, ease of shelling, size, beauty and quality of the green beans, this variety leads all other early limas for either the home garden or market. The vines are vigorous and remarkably productive. Pods are medium green, large, flat, about 5 inches long, moderately curved. The green shell beans are very large, very tender and of finest quality. **Pkt. 10 cts.; pt. 45 cts.; qt. 80 cts., postpaid; pk. $3.70; bu. $13.80.**

580. Early Leviathan. One of the newer varieties and the best early variety in cultivation. Vine very tall and strong; pods long and borne in clusters; beans large and white. It is early strong-growing and prolific. **Pkt. 10 cts.; pt. 45 cts.; qt. 80 cts., postpaid; pk. $3.70; bu. $13.80.**

10577. Carpenteria Pole Lima. A most desirable pole lima for the home and market garden. The vines are strong growing and vigorous, producing an abundance of fine, large, medium green pods, 5 to 6 inches long, usually closely filled with four beans of largest size, much thicker than the average pole lima. The color is distinctive in having a decided greenish tint, an indication of very finest quality. **Pkt. 10 cts.; pt. 45 cts.; qt. 80 cts., postpaid; pk. $3.70; bu. $13.80.**

574. Improved Challenger. This is the potato pole lima, the beans being about the same size and shape as Fordhook. It is an early type, of delicious flavor and quite popular among home and market gardeners. **Pkt. 10 cts.; pt. 45 cts.; qt. 85 cts., postpaid; pk. $4.25; bu. $16.20.**

510. Carolina or Sieva. In the south this is familiarly known as the "butter bean." It is very early, vigorous and productive. The seeds are small and white but of good flavor. **Pkt. 10 cts.; pt. 40 cts.; qt. 75 cts., postpaid; pk. $3.25; bu. $12.**

INOCULATE ALL LEGUMES WITH NITRAGIN The Original Legume Inoculator

Nitragin for Garden Use

Every garden needs Nitragin; garden size is for Peas, Sweet Peas, and Beans, including Lima (3 in one Inoculent). Price 25c

Perfection Brussels Sprouts

SWISS CHARD, or SPINACH BEET

The rapidly increasing popularity of this vegetable is well deserved for not only do the leaves make splendid greens when cooked like Spinach, but the leaf stalks are particularly palatable if prepared in the same manner as Asparagus. The culture is the same as for Beets, and it can be grown throughout the entire summer.

145. Large Ribbed White Produces broad white leaf stalks. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

214 Lucullus. Plants growing 2 to 2½ feet tall with many creamy white curled leaves carried on broad, thick stalks. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

Swiss Chard.

MANGEL-WURZEL BEET For Cattle Feed

Postage Paid. Four Pounds to Acre.

97. Improved Sugar Beet. Large growing sort; rich in sugar, hardy and very productive. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 20 cts.; lb. 60 cts.**

53. Golden Tankard Yellow-Flesh Mangel. Deep yellow-fleshed, of milk-producing quality. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 20 cts.; lb. 60 cts.**

49. Giant Mangel-Wurzel. The heaviest cropper, of mammoth size; fine quality. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 20 cts.; lb. 60 cts.**

204. New Jumbo Mangel. For milch cows and cattle generally. The New Jumbo Mangel has no equal. It is a milk-producer of the highest quality. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.**

BRUSSELS SPROUTS POSTAGE PAID

Brussels Sprouts look very much like little heads of Cabbage, and growing closely on the stalk a single plant produces a great many from the ground level to the tip. The plants are very hardy and may remain outdoors during the winter in many locations. The quality and flavor of the sprouts are much improved by frost. Seed should be sown the same as it is customary to sow for late cabbage.

290. Perfection. Grows about 2½ feet high. Very productive. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. $2.50.**

191. Paris Market. This is much dwarfer than the preceding and bears a large crop of handsome sprouts. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. $2.50.**

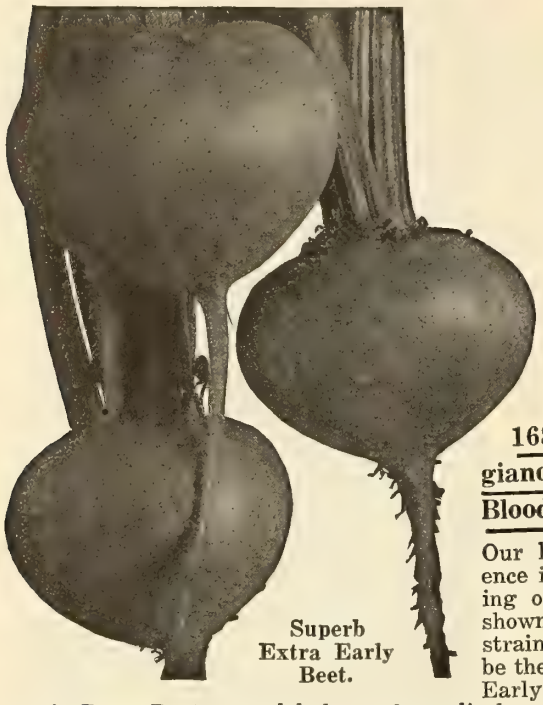
Bird Seed

219. Canary Seed. Lb. 20 cts., postpaid.
217. Bird Rape. Lb. 15 cts., postpaid.
221. Hemp. Lb. 15 cts., postpaid.
506. Sunflower Seed. Lb. 18 cts., postpaid.
223. Millet Seed. Lb. 15 cts., postpaid.

1 ounce to 50 feet of drill **BEETS** 5 to 6 pounds to the acre.

Prices Include Postage on Pkts., Ozs., ¼ Lbs. and Lbs.

CULTURE. Our beet seed is grown from selected transplanted roots and have given truckers and market gardeners, who appreciate a high standard of perfection, the utmost satisfaction. The soil best suited for best culture is that which is rather light and well enriched. Sow in drills 1 foot apart and 1 inch deep, as early as the ground can be worked. When the plants are large enough, thin out to stand 6 inches apart in rows; continue sowing for a succession as late as the middle of August. Keep well cultivated.



Superb Extra Early Beet.

168. Bolgiano's Deep Blood Beauty. Our long experience in the growing of Beets has shown this new strain of Beet to be the Best Extra Early Deep Blood Turnip Beet. Roots are globular and peculiarly smooth; color is of blood red, very crisp, tender, fine-grained and sweet, remaining so for a long time. We believe this excellent new stock will produce a crop more uniform in shape, color and quality than any other Beet. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 40 cts.; lb. $1.35.**

218. Superb. ("Best in Garden" Varieties, see page 6.) Has taken the lead among early turnip-shaped Beets entirely by superior merits of everything pertaining to a Beet to make a recognized leader. It is very early, indeed; it is 8 to 10 days ahead of any other early sort now offered. The shape is uniformly perfect, being entirely free from fibrous side roots, which are so objectionable; in fact, it is the smoothest Beet within our knowledge. The flesh is a rich, dark blood-red, tender, crisp, and deliciously sweet, besides having a very small top; is an ideal variety for bunching. Will produce a good crop inside of seven weeks from sowing. Is excellent as a forcing sort or as a main crop. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 40 cts.; lb. $1.35.**

45. Wonderful Early Spring. Extra quick in maturing, small tap root, small tops, deep dark red color, fine-grained flesh; a splendid variety for early market. Grown in hot beds, cold frames or open ground. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

108. Bolgiano's Extra Early Eclipse. It is valuable for home gardens and indispensable for market gardens. It is remarkable for very rapid growth, the perfect flesh, and for its dwarf foliage. Roots bright, glossy red, very fine grained. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 90 cts.**

103. Detroit Dark Red. One of the best deep red Turnip Beets for market gardeners or home use. Its small upright-growing tops, early maturing, and fine globular shape and color of the roots make it very popular with every one who plants it. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

68. Long Smooth Blood. We recommend this Beet to be of great value. Its roots are of an attractive shape, its flesh is dark red and very tender and sweet. As a fall and winter beet it has few equals. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 90 cts.**

125. Crosby Extra Early. A very superior strain of blood-red Egyptian, carefully selected for years by Mr. Crosby, a noted market gardener, whose aim was to secure a perfect forcing variety. The results obtained were handsome form, good size, few small tops, very small tap root, fine quality, and, above all, quick, rapid growth. The shape is very desirable, not flat like the ordinary Egyptian, nor so round as Eclipse. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00**

142. Nutting's Early Gem. One of the best and earliest beets for growing either out of doors or under glass. The shape is very desirable. Perfectly smooth. Color dark. Quality unsurpassed. The foliage is scant. An excellent all-season beet. Just the kind for Market Gardeners. **Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. $1.25.**

93. Extra Early Bassano. This Beet is sometimes called Philadelphia Sugar Beet. Root large, turnip shaped; come very early, and are very sweet and tender; flesh bright light red. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

127. Early Blood Turnip. A bright red, medium early beet of very good quality for home or garden use. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 90 cts.**

"Best in Garden" Varieties

We respectfully call to your attention those varieties which we list on pages 4, 5 and 6 of this catalog. These do not in every case represent our latest introductions, but they do represent those varieties that stand out conspicuously in any garden as the "Best in the Garden." You are playing safe by planting liberally of these varieties.

Early Blood Turnip Beet.

One Large 10-ct. Pkt. of Any Three Varieties of Beets for 25 cts., Postpaid.

FROST PROOF CABBAGE PLANTS

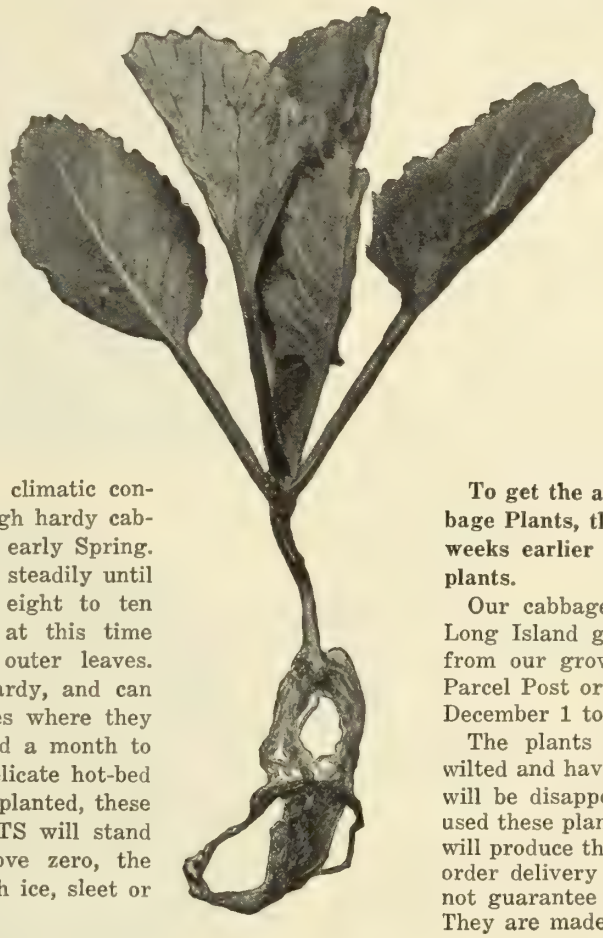
READY FOR IMMEDIATE DELIVERY

WILL DOUBLE YOUR PROFITS

Mature Heads Two to Three Weeks Earlier Than Your Home-Grown Plants

Whether you wish to reduce the High Cost of Living by increasing the production of your home garden, or whether you desire to command the high prices that come to those who market their truck crops before the season opens, you can hardly afford to do without our FROST-PROOF CABBAGE PLANTS. You may not be familiar with these plants, and for this reason we will tell you why our claim of Frost-Proof is well founded.

In the famous Sea Island Cotton growing region of South Carolina there is found a soil and climatic conditions just suited for growing tough hardy cabbage plants during the Winter and early Spring. Here the plants develop slowly but steadily until they are ready for shipment at eight to ten weeks of age, having developed at this time purple buds and reddish brown outer leaves. They are then very tough and hardy, and can be shipped north for long distances where they may be planted in the open ground a month to six weeks sooner than the more delicate hot-bed or cold-frame plants. After being planted, these FROST-PROOF CABBAGE PLANTS will stand a temperature of 20 degrees above zero, the land freezing, or being covered with ice, sleet or snow, without injury.



Although the roots grow from the time they are planted, the tops of the plants do not start until regular Spring weather opens up, at which time the established root growth takes up the fertilizer in the soil and the plants grow very fast, maturing headed cabbage two to three weeks sooner than you can mature them from hot-bed or cold-frame plants. You know what the difference in profit will be if your crop is matured and marketed before the general crop from home plants is matured; but,

To get the advantage of these Frost-Proof Cabbage Plants, they must be planted a month or six weeks earlier than you would plant home-grown plants.

Our cabbage plants are grown from the best Long Island grown seed, and are shipped direct from our growing station in South Carolina by Parcel Post or Express. We can fill orders from December 1 to May 1.

The plants when received will be somewhat wilted and have a hard stunted appearance, which will be disappointing to persons who have never used these plants before. Regardless of this, they will produce the crop results. We guarantee good order delivery on parcel post shipments. We do not guarantee delivery on shipments by express. They are made at the purchaser's risk.

Early Jersey Wakefield, Charleston Large Type Wakefield Succession, Early Flat Dutch

Prices by parcel post, postage prepaid: 100 to 400 plants at 50 cts. per 100; 500 for $1.60; 1,000 or more for $3.00 per 1,000 plants.

Prices by express, buyer paying charges: 1,000 to 4,000 at $2.00 per 1,000 plants; 5,000 to 8,000 at $1.50 per 1,000. Plants are packed for parcel post shipment—100, 200, 300, 400, 500 or 1,000 plants to the package; for express shipment— 1,000 or 2,000 plants to the package. Order only in these quantities. We pack only one variety to the package. They weigh about 20 pounds per thousand plants, packed for shipment.

TERMS: Cash with order. No plants shipped C. O. D. We advise that you have all shipments of one thousand plants or less sent by parcel post. They make quicker time and are delivered direct to you by the mail carrier. On larger lots inquire of your express agent what the charges will be. To a great many points the parcel post rates are as low as express rates. When rates are near the same always order by parcel post, as time and service are better.

CHICORY POSTPAID

271. Witloof (French Endive). Witloof Chicory is used principally as a winter salad. The seed should be sown in the open ground not later than June. The plants form large parsnip shaped roots which are lifted in the fall, trimmed of leaves and stored in soil in a cool place until wanted for forcing. The roots can be forced in any warm cellar or room, requiring about one month to make edible sprouts. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. $2.50.**

CORN SALAD POSTPAID

One ounce will sow about 18 square feet and six pounds will sow an acre.

112. Broad Leaved (Large Seeded). Delicious salad used during the winter and spring months as a substitute for lettuce, and is also cooked and used like Spinach. Sow in spring in drills 1 foot apart. It will mature in six weeks. For early spring use sow in September and winter over like Spinach. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. $1.50.**

CABBAGE

Prices Include Postage on Pkts., Ozs., ¼ Lbs. and Lbs.

One ounce of seed produces about 2,500 plants.
Four ounces will grow enough plants to set an acre.

CULTURE. For very early use sow in January or February in hotbeds; put out when the plants are strong enough into other hotbeds, or sow in cold frames in March; transplant, when danger from killing frost is past, to open ground in rows 2 feet apart and 18 inches in the row. For a succession sow in the open ground the last of March or early in April. The autumn and winter varieties sow in April or early in May, in shallow drills, 3 or 4 inches apart; transplant early in July in rows 2½ feet apart and 2 feet in the row. Cabbage succeeds best in fresh, rich soil, well manured and deeply dug or plowed.

Extra Early Varieties

80. Jersey Wakefield Selected Stock. Here is the earliest pointed head cabbage. Our selected stock produces few outer leaves and has medium sized, solid heads which mature all at one time. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 80 cts.; lb. $2.75.**

122. Big Winner Wakefield. No other cabbage of which we have knowledge has aroused such enthusiasm among cabbage growers as has our "Big Winner." It has the same general characteristics of other Wakefield Cabbages, the head being conical with a rounded or blunt point. It is, however, far superior to other strains of Wakefield Cabbage, being nearly double the size and better quality, and at the same time is fully as early. It has few outer leaves, permitting close planting. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 90 cts.; lb. $3.25.**

105. Large Charleston Wakefield. True Long Island grown. About 5 to 10 days later than Early Jersey Wakefield; the heads are fully one-half larger and can easily be planted 20 inches in the rows. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 80 cts.; lb. $2.75.**

128. Bolgiano's Early Large York. This is a very valuable early variety, and follows the Express in heading. The heads are round, heart-shaped, and very firm. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 80 cts.; lb. $2.75.**

299. Golden Acre. This is a new, early, round-headed cabbage which closely resembles Copenhagen Market in type. It is eight to ten days earlier than Copenhagen Market but is smaller and can be planted closer. Because of its earliness and fine quality it commands a higher price than any round-headed cabbage. **Pkt. 10 cts.; oz. 45 cts.; ¼ lb. $1.35; lb. $5.00, postpaid.**

New Early Cabbage

Large Charleston Wakefield Cabbage

Early Varieties

117. Bolgiano's New Early. ("Best in Garden" Variety, see page 4). This is the finest large, very early cabbage. Forms solid, compact heads, and the leaves grow close to the head, thus allowing many more cabbages to be grown on the acre than other sorts. Its earliness is one of its remarkable features. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 90 cts.; lb. $3.25.**

333. Copenhagen Market. Undoubtedly the finest, large, round-headed early Cabbage. The heads average about 10 pounds each in weight, are very solid and of fine quality. It matures as early as Charleston Wakefield, and will give a heavier yield per acre than that well-known variety. The plant is short-stemmed, the leaves always tightly folded. **Pkt. 10 cts.; oz. 30 cts.; ¼ lb. $1.00; lb. $3.50.**

129. Allhead Early. This cabbage is considerably larger than Early Summer Cabbage that is equally as early. The deep flat heads are remarkably solid and the most uniform in color, form and size. It is really an all-the-year-round Cabbage, being equally good for winter if seed is sown about August. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. $2.50.**

160. Early Flat Dutch. The heads are large and solid. It is early, resistant to frost and a favorite of home and market gardeners. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. $2.50.**

182. Glory of Enkhuizen. This cabbage is a good second early, round solid headed sort. It is somewhat larger than Copenhagen Market, but later in maturing. **Pkt. 10 cts; oz. 25 cts.; ¼ lb. 85 cts.; lb. $3.00.**

115. Succession. True American grown. Matures ten days later than Early Summer and is larger in growth. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. $2.50.**

101. Improved Early Summer. A superior second-early sort; produces large and solid heads of finest quality; popular in the South. Selected stock. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. $2.50.**

141. All Season. Will do to plant at any season of the year, with assurance that the crop will be fine, large heads, and in every respect give satisfaction. It grows large. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. $2.50.**

CABBAGE—Continued

Prices Include Postage on Pkt., Ozs., ¼ Lbs. and Lbs.

Late, Fall and Winter Varieties

The possibility of having green food during the snowy months is realized by growing fall cabbage and storing it for winter use. The varieties which we list below produce hard heads that will keep well when properly stored.

315. Wisconsin All Season (Yellows or Wilt Resistant Strain). Selected from All Season. Highly resistant to yellows or wilt. Type similar to All Season Drumhead shape. Short stem. Seldom bursts. Heavy yielder. **Pkt. 10 cts.; oz. 35 cts.; ¼ lb. $1.15; lb. $4, postpaid.**

366. Wisconsin All Head Select (Yellows or Wilt Resistant Strain). This variety has been bred for resistance to the cabbage yellows or sometimes called wilt and is very valuable where the cabbage crop is likely to suffer from this disease. A heavy yielding type selected from All Head Early. The heads are large, spreading and have a remarkably solid heart. **Pkt. 10 cts.; oz. 50 cts.; ¼ lb. $1.65; lb. $6.00, postpaid.**

Extra Large, Late Flat Dutch

89. Extra Large Flat Dutch. This is an old favorite and standard with all gardeners and truckers. Its large size, solidity, uniformity and good keeping qualities make it most valuable for a late crop. Our strain being a quick maturing type will aid the grower to avoid trouble from pests. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. $2.50.**

233. Bolgiano's Superior Stock Large Late Drumhead. This splendid Cabbage produces enormous heads and is an all-head Cabbage. Its good keeping quality makes it a first-class sort to carry over winter or for long distance shipping. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. $2.50.**

329. Danish Roundhead. A late variety, but matures earlier than the Danish Ball Head. The heads are round and have a short stalk, and for solidity is ahead of all others. The interior leaves are pure white and of sweet flavor. It is a healthy variety and able to stand hot weather and resist disease. Danish grown. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 90 cts.; lb. $3.25.**

124. Drumhead Savoy, Bolgiano's Improved Perfection. This is the strain that surpasses them all for uniformity of heads, a beauty of curl, large size and superior keeping qualities. Its great vigor recommends it as a reliable crop for home and market growers. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 85 cts.; lb. $3.00.**

Exceeded All Expectations

Baldwin County, Georgia, Jan., 23, 1930.

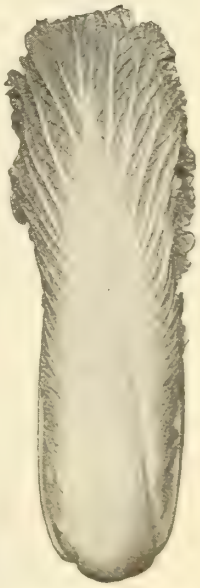
Gentlemen:

The last year's crops grown from your seeds exceeded all expectations. Please send me a copy of your 1930 seed catalog, showing this year's offerings of flower seeds and bulbs. (Signed) WM. OSCAR MURPHY.

281. Mammoth Red Dutch. The largest red cabbage and heads very solid, and is deep red color to the very center. No Cabbage is better for boiling or for slaw, and its beautiful red color specially fits it for pickling. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 85 cts.; lb. $3.00.**

Pe-Tsai, Chinese or Celery Cabbage

This Chinese vegetable has become very popular in many large cities. The Chinese Cabbage is very easily grown, and in fairly rich soil quickly produces handsome heads resembling Cos Lettuce. It is apt to bolt to seed during hot weather, therefore best results are obtained by sowing seed the latter part of the summer (August 1st to 15th) and having plants stand about 15 inches apart in the rows. Heads are easily blanched and may be used as a salad or boiled like cabbage. Plants are rather tender and will not stand frost.



Pe-Tsai, or Chinese Cabbage

216. Pe-Tsai, Chinese or Celery Cabbage. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. $2.50.**

250. Wong Bok. Slightly earlier than Pe-Tsai and shorter, producing very hard heads of splendid quality for salads or slaw. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 80 cts.; lb. $2.75.**

COLLARDS

A great many people look upon the lowly collard, or "Georgia Cabbage," as some jokingly refer to it, as something not worth while growing. Now there are thousands of collard patches scattered over the South, and most Southern people like them. The collard is an old-time favorite, adapted to all parts of the South, and as a producer of "greens" for boiling in winter and spring it has no equal. It will pay you to have a collard patch just to give your cows an occasional taste of "green stuff." Sow any time up to September 1st.

211. Southern or Georgia. This variety is the old-time favorite. Stands all sorts of adverse conditions without injury. It is very hardy, standing winters as far north as Atlanta. In many places where the soil is too poor to grow cabbage, the collard grows easily and makes a good substitute for cabbage. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.**

TABLE CARROTS

Prices Include Postage on Pkts., Ozs., ¼ Lbs. and Lbs.

Three Ounces of Seed to 100 Yards; Four Pounds to the Acre.

Arrange for an ample supply of Carrots, as they are highly nutritious, and if sowings are frequently made it is possible to maintain a supply of roots the year around.

CULTURE. Carrots, to grow to perfection, require deep, rich, sandy loam, well pulverized and deeply cultivated. For an early crop sow in May and June in drills about 1 foot apart, thinning out to 4 inches in the row; sow for winter crop in June and July. It is very important to tread the rows firmly after sowing the seed.

Danvers Half Long Carrot

300. Early Golden Ball or French Forcing. A very desirable variety for forcing and also supplying early roots for open ground. The small round roots measure about 1½ inches in diameter, are smooth, tender and of good flavor. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25, postpaid.**

222. Early Rubicon **("Best in Garden" Variety, see page 4).** A half long Orange, stump-rooted Carrot, of a beautiful deep-red orange color. It is earlier than Danver's, about the same length, but heavier and thicker at the shoulder, making it more productive. It is a wonderfully heavy cropper, producing 3 to 4 tons to the acre under good culture. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

87. Danver's Half-Long Orange Pointed. A handsome cylindrical-shaped carrot of good size. It is of rich, dark orange color, grows to a large size, is smooth and the flesh very close in texture, with little core. It is a first-class carrot for all soils, and it is claimed that under good cultivation it will yield the greatest weight per acre with the smallest length of root of any now grown. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

347. Chantenay, or Model. Broad stump roots measure 5 inches long and 3 inches in diameter at shoulder. Roots are smooth, flesh tender and fine grained; color deep orange. A most popular variety in all markets. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00, by mail postpaid.**

161. Half Long Stump-Rooted Nantes Strain. One of the most popular sorts. The half-long roots measure 6 inches long by 1½ inches in diameter. Flesh tender and sweet; color rich orange. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

166. Henderson's Intermediate. One of the best main crop carrots. It is noted for its smoothness of shape, its tenderness of flesh and beauty of color. It is free from any coarse, rank flavor. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

134. Ox-Heart Selected Stock. Thick carrot, 5 inches long and very blunt at the lower extremity. It grows very rapidly and the roots attain a weight of more than a pound. It is tender, and of deep red color, and is a variety we can recommend to all market gardeners. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

100. Nichol's Long Orange Improved. One of the most desirable either for garden or field culture. It grows to large size, fair specimens average 12 inches in length and 3 inches in diameter at the top. All who have cattle should raise a surplus of this carrot for feeding milch cows during the winter. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 90 cts.**

Chantenay Carrot

BROCCOLI

235. Broccoli Italian Green Sprouting or Early Green Calabrese. Specialty— ("Best in Garden" Variety, see page 4). Rapid Growing. Produces a large head at center of plant in about 90 days from date of planting. Resembles cauliflower only in shape or formation as the color is dull bluish green. After the center head is removed, the plant produces many branches, each bearing smaller terminals and lateral heads which are as fully desirable as the first heads produced. If these heads are gathered as soon as they become large enough for use, the plant will continue to produce for a period of from eight to ten weeks. If served in the same way as asparagus makes a very tasty dish fully equal to cauliflower. Sow in the Spring, Summer or Fall and cultivate same as cauliflower. **Pkt. 10 cts.; oz. 75 cts.; ¼ lb. $2.60; lb. $10.00, postpaid.**

Italian Green Sprouting Broccoli

CAULIFLOWER

One Ounce Will Produce About 2,000 Plants

Prices Include Postage on Pkts., Ozs., ¼ Lbs. and Lbs.

Cauliflower, although one of the most delicious vegetables, is but little grown except by professional gardeners because of the erroneous notion that it is so difficult to grow that only the skilled gardeners can produce it. Any one will be reasonably sure of success with this most desirable vegetable if the culture directions given below are carefully followed.

CULTURE. Sow the seed in a hotbed in January or February, and when the plants are large enough transplant three inches apart in boxes or in other hotbeds until time to plant out. If hardened off they are seldom injured by planting out as early as the ground can be properly prepared, 2½ feet apart each way. Keep them well hoed and bring the earth gradually up to their stems, watering freely in dry weather and especially when they begin to head. Cauliflower succeeds best when planted in frames at the close of winter and brought to maturity before the summer heat sets in. The late varieties mature in the autumn and are sown and managed similar to winter cabbage.

The Twentieth Century Cauliflower

273. Early Snowball. The seed is from our selected imported stock, grown for us by the best grower in Europe. This Cauliflower, the most widely known of them all, may be planted early in the spring or late in the fall. It is of dwarf, compact growth and produces pure-white solid heads of large size and excellent quality. The long pointed leaves protect the curd from the sun. Early Snowball matures in ninety or a hundred days under favorable conditions, and its earliness and large size make it most desirable. We feel sure that if you once try this seed you will have no other. **Pkt. 10 and 15 cts.; ½ oz. $1.25; oz. $2.25; ¼ lb. $7.50.**

334. Extra Early Dwarf Erfurt. A remarkably sure heading early Cauliflower. It is of dwarf habit with short outside leaves similar in most respects to Early Snowball, and nearly as early. The heads when ready for market are medium to large size. The curd is white, exceptionally deep and of finest quality. It will give excellent results either in the home garden or for market use. **Pkt. 10 and 15 cts.; ½ oz. $1.25; oz. $2.25; ¼ lb. $7.50.**

289. Autumn Giant. It is very late in maturing and while of firm texture heads or curds are not so well formed nor so tight as those of the earlier varieties. **Pkt. 10 and 15 cts.; ½ oz. 30 cts.; oz. 50 cts.; ¼ lb. $1.65; lb. $6.00.**

282. The Success. With the introduction of The Sucsess, we feel many gardeners may now prolong their growing season. It forms firm, large curds or heads, pure and white in color, and always solid and firm. **Pkt. 10 and 15 cts.; ½ oz. $1.25; oz. $2.00; ¼ lb. $7.50.**

243. Danish Giant or New Dry Weather Cauliflower. Will produce splendid crops in very dry locations. **Pkt. 10 and 15 cts.; ½ oz. $1.25; oz. $2.00; ¼ lb. $7.50.**

252. The Twentieth Century. Where other cauliflower fails, gardeners should try this strain. The heads are all large, and every plant will make a head when the conditions are right. In Long Island, N. Y., this strain has given the best satisfaction. The heads are compact and white, weighing more than any other sort. The outside leaves are smaller than other varieties; for this reason it can be planted closer, thereby getting a greater number of heads to the acre. It is the earliest and makes big money for the grower. **Pkt. 10 and 15 cts.; ½ oz. $1.25; oz. $2.25; ¼ lb. $7.50.**

CRESS

CULTURE. Sow thickly in shallow drills every 2 or 3 weeks. It should be cut often, and it will continue to grow. It is useful not only for salad, but for the breakfast table and for garnishing. True Water Cress should be sown in damp soil; or if a stream of water can be utilized they will be much finer. They will also thrive well in damp hotbeds. Rightly managed, their culture is very profitable. To obtain early salad, it is a good plan to sow with Water Cress seed a strip 4 inches wide on the outer margin of a hotbed, inside the frame, where it is always cool.

270. True Water. It thrives when its roots and stems are submerged in water. It is one of the most delicious of small salads. **Pkt. 10 cts.; oz. 35 cts.; ¼ lb. $1.05; lb. $3.75.**

137. American Upland. Largely used for pork salad; has a delicious pungent taste. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. $1.50.**

187. Pepper Grass. The seed should be sown in drills about 16 inches apart on very rich ground, and the plants well cultivated. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

Broad Leaf Batavian Endive

ENDIVE

One Ounce Will Sow 150 Feet of Row.

Endive is one of the best salads for fall and winter use. Sow for an early supply about the middle of April. As it is used mostly in the fall months, the main sowings are made in June and July. Plant one foot apart each way. When the plant has attained its full size gather up the leaves and tie them by their tips in a conical form. This excludes the light and air from the inner leaves until blanched.

43. Green Curled. Self-blanching. The best in cultivation. Much more beautiful and ornamental than the old sort. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

285. White Curled. As the color of the leaves is a light golden yellow, little or no blanching is required. Very easily grown, and plants may be gathered for use at any time. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

198. Escarole, or Broad-Leaved Batavian. Leaves a pale green; requires very little blanching. More productive than green curled. Forms large heads of broad, thick leaves. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. $1.50.**

Golden Self-Blanching Celery

CELERY

Prices Include Postage on Pkts., Ozs., ¼ Lbs. and Lbs.
One Ounce Will Produce About 3000 Plants, and Sow About 200 Feet of Row

CULTURE. Sow the last of March or early in April in an open border, in rich, mellow ground, in shallow drills, watering freely in dry weather. Cut the tops off once or twice before planting out to make them stocky. When the plants are 5 or 6 inches high transplant the dwarf varieties 5 feet and taller sorts 4 feet between rows; plant 6 inches apart in the row. Cultivate well, and when large enough blanch by earthing up. The first operation is that of "handling" generally done the beginning of September. After the soil has been drawn up with a hoe, it is drawn closer around each plant by hand to keep the leaves firm in an upright position and prevent spreading. When the plants have become "set" in an upright position and the celery is wanted for early use, they should be "banked."

94. Golden Self-Blanching. **Bolgiano's Special Strain. Very early.** Largely grown by market gardeners as well as home gardeners. The beautiful appearance of the plant, with its close habit, compact growth and straight, vigorous stalks, is faithfully shown in the illustration. The ribs are perfectly solid, crisp, brittle and of delicious flavor. It is self-blanching to a very remarkable degree, for without banking up or any covering whatever, even the outer ribs become a handsome, fresh, yellowish white color. The heart is large and solid and of a beautiful, rich, golden yellow color. **Pkt. 10 cts.; oz. 60 cts.; ¼ lb. $2.00; lb. $7.00.**

192. Golden Plume or Wonderful. A large, early celery of superior quality and appearance. Large, heavy stalks with a full solid heart of golden yellow. Easy to blanch, a good keeper and always of the crisp, brittle and nutty quality so much desired. Very resistant to blight and rot. Free from strings and hollow stalks. Ready for the table in about 110 days. We consider this and Bolgiano's Special Strain Golden Self-Blanching, two of the finest celeries yet introduced. **Pkt. 10 cts.; oz. 75 cts.; ¼ lb. $2.60; lb. $10.00, postpaid.**

308. Easy Blanching. This splendid new variety is dwarf and compact in habit; light green foliage. It is very easily blanched and might be termed second early, following Golden Self-Blanching. For winter and spring use, it is a splendid keeper. The flavor is first class, while the stalks are pure white, heavy and crisp. **Pkt. 10 cts.; oz. 35 cts.; ¼ lb. $1.15; lb. $4.00.**

135. Bolgiano's Golden Heart. This is the old standard sort which has satisfied gardeners these many years. It is crisp, solid, handsome, the most excellent flavor, with a beautiful golden heart. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. $2.50.**

172. The Shumacher. The stalks of this splendid variety grow to an immense size, and are perfectly solid and crisp. It has a firm and beautiful golden heart, and the flavor is first class. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 65 cts.; lb. $2.25.**

264. Giant Pascal. The stalks are very large, thick, solid, crisp and a rich nutty flavor, free from any taste of bitterness. Blanches very easily and quickly and retains its freshness a long time after being marketed. The heart is a golden yellow, very full and attractive. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 65 cts.; lb. $2.25.**

67. Flavoring Celery. Cannot be used for growing purposes, but is an excellent spice for soups, salads, etc. **2 ozs. 10 cts.; ¼ lb. 20 cts.; lb. 50 cts.**

AROUND THE YEAR IN THE GARDEN, By F. F. Rockwell. Because the time when you do your garden work is so important, you need a regular schedule. This book gives you complete information on every garden problem, outlined week by week, and written by a practical gardener. 88 illustrations, 350 pages. **$2.50.**

71. White Plume. While very early and easy to blanch, will not keep long after taken from the trenches. As the stalks become ready for use they take on a pure white, even though not earthed up. The hearts are better if the stalks are slightly earthed up. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 85 cts.; lb. $3.00.**

150. Bolgiano's Sweet Nut Celery. For home gardens and nearby markets Bolgiano's New Celery "Sweet Nut" is the most delicious, sweet, nutty, crisp celery that has ever been offered to the public. It is absolutely solid, a most excellent winter keeper, of vigorous, sturdy growth, making fine, large, solid stalks, with a large, full, creamy-yellow heart. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. $2.50.**

CELERIAC

(Turnip Rooted Celery)

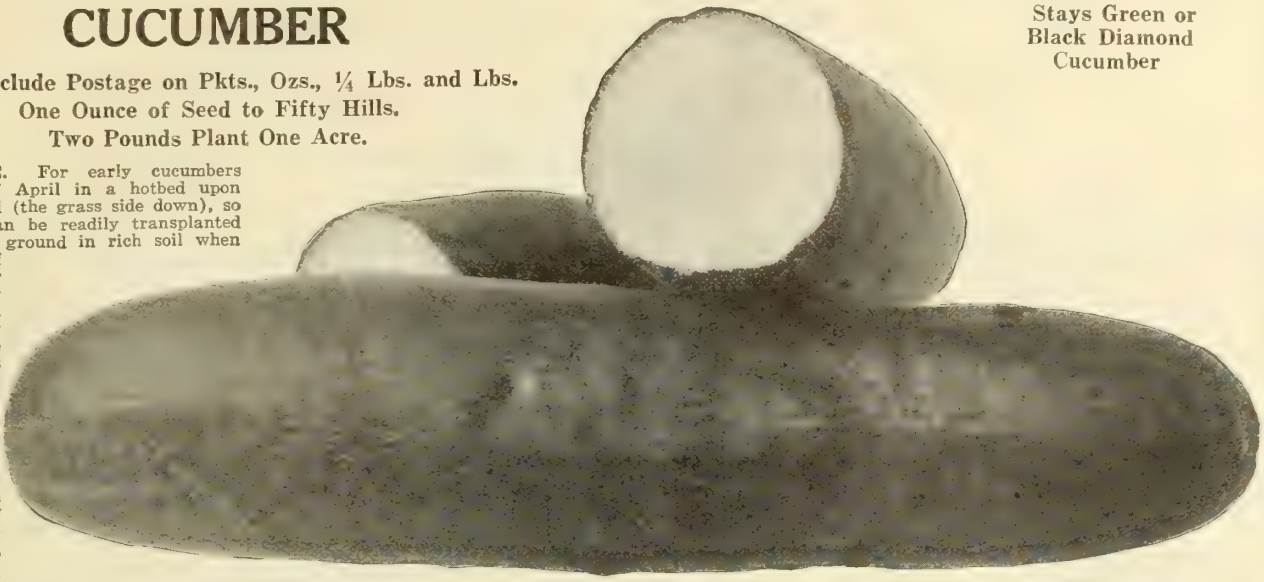
This is boiled and dressed as a salad, or as a flavoring in soups. It should be sown and grown the same as celery, but is cultivated for the roots and is not blanched. Store for winter the same as other root crops.

272. Large Smooth Prague. A new and quite distinct sort, the roots being very smooth, large, round. Of a very distinctive flavor, roots may be boiled or used in flavoring other dishes. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. $2.50.**

Large Smooth Prague Celeriac

CUCUMBER

Prices Include Postage on Pkts., Ozs., ¼ Lbs. and Lbs.
One Ounce of Seed to Fifty Hills.
Two Pounds Plant One Acre.



Stays Green or Black Diamond Cucumber

CULTURE. For early cucumbers sow first of April in a hotbed upon pieces of sod (the grass side down), so that they can be readily transplanted to the open ground in rich soil when danger of frost is over or protect by hand glasses. For early use, if the weather has become settled and warm, plant in hills about four feet apart each way; thin out to 4 of the strongest plants to each hill after all danger from insects is over; they succeed best in warm, moist, rich, loamy soil; continue planting at intervals for a succession. The cucumbers should be gathered when large enough for use, whether required or not; if left to ripen it destroys the productiveness. For pickles, plant from June until the middle of July.

131. Bolgiano's Early Fortune. An excellent early cucumber for table, market or shipping purposes. In color, Early Fortune is a rich, attractive, deep green, which it retains during a much longer period of growth than most varieties. Its form is so regular and the size of all the fruits so nearly the same that growers marvel at the purity and trueness of the stock. The flavor is delicately refreshing, entirely free from bitterness, exceedingly crisp and brittle, making it an ideal slicing cucumber. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

169. Bolgiano's Prosperity. Intense, rich, deep green color retained longer than any other cucumber, the flesh sparkling white. An extra early white spine cucumber. Most refreshing and delightful flavor. Uniformly large, symmetrical fruit. Bears no culls. Vines are vigorous, healthy and mildew-proof. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. $1.50.**

73. Arlington White Spine. Our selected strain of this famous cucumber is by far the best type on this or any other market. We have this season grown only from seed produced from cucumbers that were simply perfect in every respect. Dark, rich green color and holding its color long after other sorts have gone yellow and become unsuited for the market. A crop of our stock of Arlington White Spine is sure to make trade for any market garden, and for home use it is superfine. As a shipper it has few equals. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

109. Davis Perfect. Davis Perfect Cucumber resembles a hot-house cucumber so closely that it is difficult for some dealers to tell the difference. Equally good for hot-house or outdoor culture. It is ideal in shape, rich, dark green color, uniform and regular in size. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

309. Klondike. This valuable variety is one of the best for slicing, and will produce cucumbers similar in appearance to the hot-house grown specimen. The color is rich dark green, and the fruits grow to a uniform size, measuring about 7 inches in length and 2 inches thick when in good condition for use. It matures early. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

207. Henderson's Perfection White Spine. This cucumber is very much the same type as the Early Fortune. Has great quantities of extra fancy dark green fruit. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

312. Stays Green or Black Diamond. ("Best in Garden" Variety, see page 6). The cucumber that stays green. An extra early of the White Spine type. Holds its dark green color as long as any variety we know of. It is adapted to all sections and soils. The fruit grows 7 to 8 inches in length, cylindrical in shape, smooth and handsome. The color dark green from end to end with little white rays at the blossom end. The flesh is white, firm, crisp and of the very best quality for slicing. The vine makes a vigorous growth and is an enormous yielder of dark, always green cucumbers. **Pkt. 10 cts. oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

156. Long Green. It is vigorous and productive. The mature fruit is almost 12 inches long. The skin is a deep green, and the flesh is solid, crisp and of fine quality. Especially recommended for pickling. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

228. Early Green Cluster Cucumber. This is an extra early pickling or frame variety, being the earliest cucumber of practical use. They will produce fruits ten days earlier than the earliest slicing varieties. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

313. Snow's Pickling. An early maturing, very small, dark green cucumber, cylindrical, square ended, and very popular with the growers of small pickles. Meets in all respects the requirements of those who want an ideal bottle pickle. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

107. Jersey Pickle. Fine green color. Used for pickling almost entirely. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

251. Gherkin, or Small Bur. Grown exclusively for pickling. Always pick when young and tender. Seed slow to germinate, requiring from 10 to 12 days. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 50 cts.; lb. $1.75.**

KOHL-RABI

One Ounce Sows 300 Feet of Drill

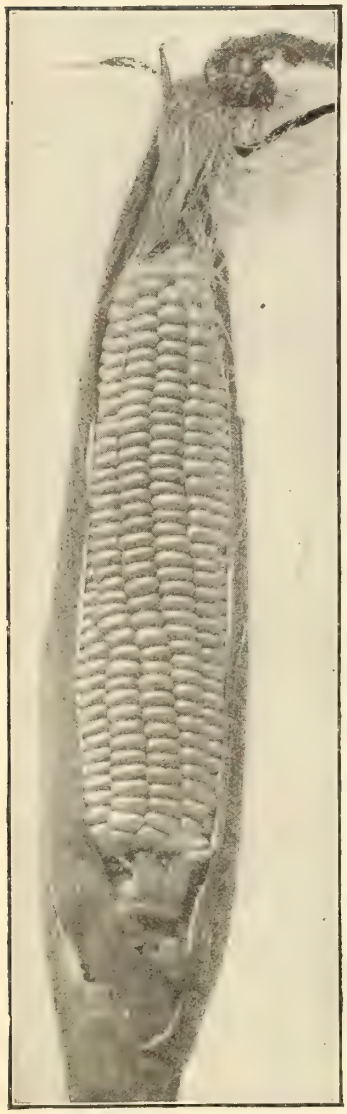
CULTURE. Sow in spring, in rows 18 inches apart, afterward thinning the plants to 8 or 10 inches. If the weather is suitable, the thinning may be planted, but it is considered difficult to transplant. Keep the weeds down, and when the thickened stems above ground are 2 to 3 inches through they are fit to eat, and should be used at once, being tough when old. Cook like turnips.

310. Early White Vienna. When young and tender, and properly prepared for the table, it is almost equal to the cauliflower. Besides, it is a certain crop, requiring no more care or cultivation than a crop of cabbage. For a fall crop sow in June. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 65 cts.; lb. $2.25.**

SUGAR, or SWEET CORN

We Pay Postage on Seed Corn Ordered by the Pkt., Pt. or Qt. Only—
Larger Quantities, Parcel Post, Freight or Express Charges Extra

Parcel Post Rates See Page 2
One Quart to 200 Hills; 8 to 10 Quarts to the Acre.



Golden Evergreen.

CULTURE. The Sweet or Sugar Varieties, being liable to rot in cold or wet ground, should not be planted before May or until ground has become warm; for succession continue planting every two weeks until the middle of July in rich, well-manured ground, in hills 3 feet apart each way, covering about ½ inch and thin out to 3 plants to a hill. The extra early varieties can be planted 18 ins. in a row and 2½ feet between rows.

Extra Early Varieties

570. Early Aviator Sugar Corn. Extremely early large ear. Plants grow about 3½ ft. with ears close to the ground. Ears 6 to 7 ins. long, blocky in form; 12 to 14 pearly white rows to the ear. Large, sweet, plump grains of purest white. Excellent for the market gardener as well as the home garden. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.50; bu. $8.75.**

564. Bolgiano's Extra Early Ideal Sweet Corn. We have never put out any corn that has given more satisfaction to the market gardener than the "Ideal"; it meets his every demand. Extra early, large ears, 8 to 10 inches long; has a mild, sweet flavor; very tender; vigorous grower, producing a wonderful crop of corn for the early market. Can be planted as early as the Extra Early Adams. Thousands of truckers and market gardeners are using the "Ideal" for early planting. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.25; bu. $8.00.**

559. Golden Bantam. One of the sweetest corns grown. It is a dwarf, medium early variety of exceptionally good quality. In all respects it is a gem—in size of plant, ear and grain. It is particularly well adapted to small gardens on account of its small size; to the more pretentious on account of its excessive cropping ability on a given area, and to all because of its superb quality and luscious satisfying flavor. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.25; bu. $8.00.**

Montgomery County, Pa.,
January 16, 1930.

Gentlemen:

I am very much pleased with your seeds. I intend to plant a big garden this spring with them.

(*Signed*) *William E. Hiltebeitel.*

560. Bolgiano's Extra Early Harvester. This is the best Extra Early White Sugar Corn that has ever been placed on the market. It is several days earlier than the "Golden Bantam," sweeter flavor, ears larger and pure white in color. It is a rapid grower, medium in height, large yielder, 3 to 4 ears to the stalk, 6 to 7 inches long. A wonderful corn for early home use. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.50; bu. $8.85.**

10559. Bolgiano's New "Cream and Honey" Sweet Corn. Extremely early, most delicious flavor, exceptionally fine quality. Should be tried by every wide-awake market gardener and in home garden where the "best" of everything is enjoyed. **Pkt. 10 cts.; pt. 35 cts.; qt. 60c., postpaid; pk. $2.35; bu. $8.25.**

562. California Golden Country Gentleman Corn. This is a wonderful combination of "Cream and Honey" Sugar Corn and the well-known "Country Gentleman" Sugar Corn. Could you possibly think of anything more delicious than the good points of these two corns combined into one? Don't take chances of forgetting it—send in your order today certain. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.50; bu. $8.85.**

558. Adams' Extra Early. Largely grown for early market. **Pkt. 10 cts.; pt. 30 cts.; qt. 60 cts., postpaid; pk. $1.90; bu. $6.75.**

563. Second Early Adams' Corn. Ears are all larger and later than Adams' Extra Early. **Pkt. 10 cts.; pt. 30 cts.; qt. 55 cts., postpaid; pk. $1.75; bu. $6.00.**

566. Golden Evergreen. A splendid variety to follow Bantam. The ears are larger and better filled. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.50; bu. $8.75.**

553. Howling Mob. This splendid flavored sweet corn grows 4 to 5 feet high, producing two good ears to the stalk, which measure 7 to 9 inches in length. In season this corn ripens about 4 to 6 days later than White Cory. Its unusual name arose from the fact that the Market Gardener who originated this strain had so many people crowded about his stand that it was really a mob calling loudly for his corn. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.15; bu. $7.50.**

561. Extra Early Evergreen. Ripens about 10 days earlier and is equally as good. It is a splendid variety to come in between the early and late sorts, and is destined to become popular. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.70; bu. $9.65.**

IMPROVED SEMESAN, JR.

Possesses unusual properties for the disinfection of field and sweet corn seed against certain diseases which cause poor stands, blighted seedlings and unprofitable, barren and nubbin bearing stalks. Improved Semesan, Jr., preserves the seed against rotting in cold, wet weather, increases germination, invigorates seedlings' growth, develops sturdier plants, promotes earlier maturity, reduces lodging or down corn, improves quality and increases crop yield. It is used by dusting seed before planting. Full directions on each box. **4 ozs. 50 cts.; 1 lb. $1.75; 5 lbs. $8.00; 25 lbs. $31.25.**

One Large 10c Pkt. of Any Three Varieties of Sugar Corn for 25 Cts., Postpaid.

GENERAL AND LATE CROP SUGAR CORN

Sweet Corn Is One of the Most Nutritious and Healthful Vegetables Grown. It Is at Its Best When Picked Fresh Just Out of the Garden—Grow Your Own.

557. BOLGIANO'S LUCKY STRIKE SUGAR CORN

Lucky Strike matures in about the same season as Stowell's Evergreen. The ear is about as large in diameter, but from one to two inches longer. The grains are large and of such an excellent luscious flavor that it wins immediate approval. The entire ear is covered with heavy shucks of such a beautiful dark green color that this variety keeps a universally fresher appearance than others, which makes it command a higher price and quicker sales at market. We are looking for a heavy sale of Lucky Strike this year, and hope that all of our friends will put in their orders early, as we feel sure that our supply will not last through the season. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.50; bu. $8.85.**

568. Snow White Evergreen. The most valuable sweet corn for main crop. It has the ideal qualities of the Stowell's Evergreen Corn, only it is pure white, making it the most desirable late corn for market and home gardeners. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.50; bu. $8.75.**

556. Black Mexican Sugar. Very sweet and tender when ready for table; grain is black. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.25; bu. $8.00.**

Stowell's Evergreen Corn.

565. Stowell's Evergreen. This is without doubt the most widely used of all the varieties, although not an early sort. It is very fine for table use. Our selected stock has been carefully guarded to insure the maintenance of a deep grain and to prevent deterioration of the evergreen character. It is well adapted for home or market growing and popular with canners. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.35; bu. $8.25.**

567. Country Gentleman, or Shoe Peg. The deep shoe peg kernels are placed irregularly, but compactly, upon the cob. It is very prolific, generally bearing 3 to 5 ears to the stalk, and matures a little before Stowell's Evergreen, being sweeter and more sugary to the taste even than that well known standard of quality. **Pkt. 10 cts.; pt. 40 cts.; qt. 70 cts., postpaid; pk. $2.90; bu. $10.75.**

555. Rice Pop Corn. A very handsome variety: ears short; kernels long, pointed; very prolific; no variety of pop corn is superior to this for popping. **25 cts. per lb., postpaid.**

Queens County, N. Y.
November 12th, 1930.

F. W. Bolgiano & Co.

Please ship by parcel post seven pounds your "My Maryland" Tomato Seed. Please send your usual good strain. It has been fine.

(Signed) V. B. Weber.

KALE, or BORECOLE

One Ounce Will Sow 200 Feet of Drill; 1½ Pounds to the Acre.

CULTURE. Kales are more hardy than cabbage, and make excellent greens for winter and spring use, being improved by frost. Sow from May to June and cultivate same as cabbage.

Curled Beauty or Blue Scotch Kale.

121. Extra Dwarf Green Curled Scotch, or Norfolk. This is one of the best kales for spring sowing in the South for Northern markets. It is hardy and will remain over winter in any place where the temperature does not go below zero. The habit is very dwarf and spreading, and will rarely exceed 18 inches in height. The leaves are of dark green color, beautifully curled and produced in great abundance. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 90 cts.**

76. Imperial Curly Long-Standing. A beautiful curled and crimped sort, of strong, vigorous habit; perfectly hardy, bright green color, and very attractive in appearance. It will stand longer without shooting to seed than any other variety. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.**

133. Curled Beauty, or Blue Scotch Kale. Distinct blue green color. Heavily curled. Lays flat on ground. Produces large heads. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

69. Tall Scotch. Grows about two feet high with abundant dark green very curly leaves. Very hardy. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

66. New American Long-Standing Extra Curled Kale. Beautiful green color, perfectly hardy. Will stand the coldest winters. Very tender and can be cut for the market from early spring until late in season. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.**

EGG PLANT

1 Ounce Egg Plant Seed Will Produce About 500 Plants.

CULTURE. Egg Plant seed should be sown very early in hotbed; plants being very tender, must be protected from frost but exposed as far as practicable to light and air to harden them. Egg Plant seed will not germinate freely without a strong uniform heat; if they get the least chilled they seldom recover; therefore, repeated sowing is sometimes necessary.

205. Black Beauty. The earliest and the best of all large-fruited Egg Plants. It is valuable alike to the private planter and the extensive grower for the market. Black Beauty produces fruits fully as large and ready for use ten days to two weeks earlier than the New York Improved Purple. The grand, large fruits are thick, and of attractive form. The skin is a rich lustrous purplish-black—the satin gloss and rich coloring adding greatly to its beauty. The intensely brilliant coloring is uniform over the whole fruit and does not fade or change to a lighter color. **Pkt. 10 cts.; oz. 45 cts.; ¼ lb. $1.35; lb. $5.00.**

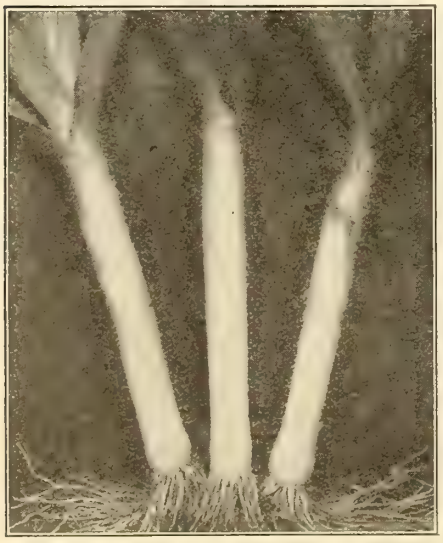
339. Florida High Bush. Has proved of the greatest value to the Southern truckers and shippers. It is remarkable for its vigorous growth and productiveness; very hardy and will stand more cold weather than the New York Improved. The hot sun does not blight the blossoms. It grows from 3 to 4 feet high, erect and sturdy, free from thorns. Fruit is large, oblong in shape and purple; keeps its freshness and condition much longer than any other variety. **Pkt. 10 cts.; oz. 45 cts.; ¼ lb. $1.35; lb. $5.00.**

THE GARDENER, by L. H. Bailey. You get full advantage of Dr. Bailey's unequalled knowledge and experience in this book. It tells how to grow flowers, vegetables, and fruits from the time of planting through to maturity. Special articles on different types of gardening. Information that is easy to find and simple to use. 116 illustrations, 260 pages, $2.00.

LEEK

One Ounce to Sow a Drill of 100 Feet

CULTURE. The Leek is very hardy, of easy culture, and succeeds best in a light soil. Sow early in April in drills 1 foot apart and 1 inch deep. When the plants are 6 to 8 ins. high transplant in a deep, rich soil in rows 12 ins. apart and 6 ins. in the rows, as deep as possible, so that the neck may be covered and blanched; draw the earth to them as they grow. The seed may also be sown in August or September, and the young plants transplanted in the spring.



Broad London, or American Flag Leek.

50. Extra Large Leek. It is the best. This mammoth leek is not to be compared with the old kinds. It grows much larger and is very handsome. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 60 cts.; lb. $2.00.**

236. Broad London, or Large American Flag. A very strong growing variety with large, thick stems of fine sweet flavor. One of the most popular varieties with large planters. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 60 cts.; lb. $2.00.**

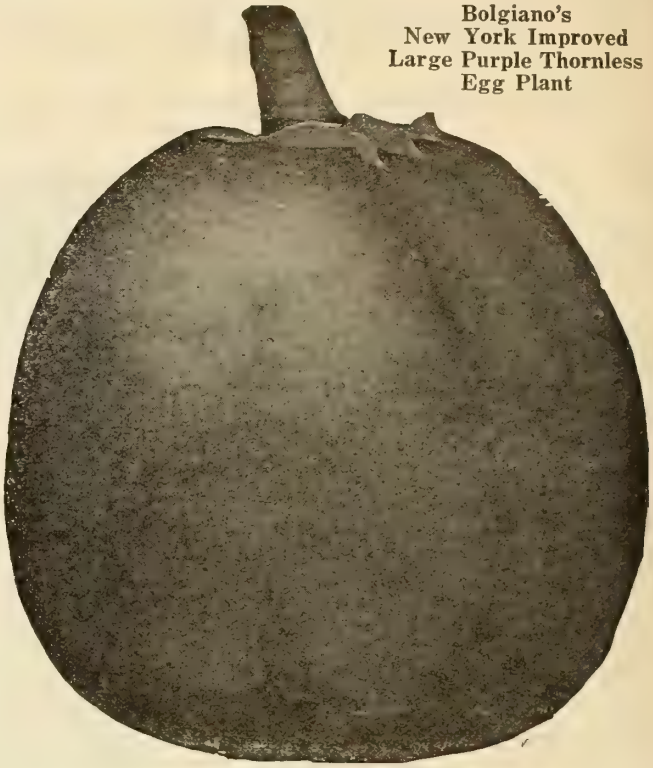
STRONG VIGOROUS CABBAGE PLANTS

Charles County, Md., March 4, 1930.

Gentlemen:

Please send Cabbage Plants as quickly as you can. Send strong vigorous ones as you did last year. They were lovely last year. Please oblige, a most thankful customer.

(Signed) V. G. GRAY.



Bolgiano's New York Improved Large Purple Thornless Egg Plant

65. Bolgiano's New York Improved Large Purple Thornless. In shape, color and size this Egg Plant is perfection; its rich, glossy, dark purple color, its beautiful form and large size make it most attractive for the markets and for shipping. **Pkt. 10 cts.; oz. 45 cts.; ¼ lb. $1.35; lb. $5.00.**

LETTUCE, COS, or CELERY

(ROMAINE)

Cos Lettuce, or Romaine, as it is frequently called on some markets is not so generally grown as it should be in the United States. In the South, Cos Lettuce succeeds best during the early spring months, or late in the fall.

295. Eclipse or Express. Very early. The plants are of stiff, erect, compact growth, and attain height of about 6 inches. The leaves fold so neatly and tightly as to make tying up unnecessary. The head blanches to an almost pure white, and the leaves are always mild in flavor. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. $1.50.**

Cos Lettuce.

184. Trianon (Paris Self-Folding White.) Of rather tall growth and produces large conical shaped heads. The long leaves blanch an almost snowy white, and are usually eaten like celery, hence it is sometimes called Celery Lettuce. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. $1.50.**

LETTUCE—Early Varieties

One Ounce Will Sow 200 Feet of Drill

CULTURE. Sow the seed in hotbeds in February or March, transplant into a sheltering border with a southern exposure. For successive crops sowing may be made in the open ground as early as the spring opens and continuing until July. Always thin out well, or the plants will not be strong. When wanted as a cut salad, sow seed thickly in rows or broadcast.

58. Big Boston (Special Stock). Big, compact, tender and crisp, creamy-white heads. Whether grown in the open ground for summer and fall use, or in frames for spring, it invariably gives both grower and user the utmost satisfaction, producing during all seasons, under ordinary favorable conditions, splendid, large, buttery-yellow heads, packed with thoroughly blanched leaves, crisp, tender and sweet. Although "Big Boston" is one of the best large-heading midsummer lettuces, it is also peculiarly adapted for late fall culture. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. $1.50.**

120. Unrivalled. A valuable variety. Early in maturing, a little earlier than Big Boston which it resembles in appearance and size of head. Pale green color shading to creamy white at the center of the head which is formed of closely wrapped, crisp leaves. Succeeds at all seasons. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 60 cts.; lb. $2.00.**

146. Golden Queen. One of the best first extra early head Lettuce for either open ground or frame culture, and a good forcer; medium size, solid, golden yellow heads, crisp and tender. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. $2.50.**

321. Bolgiano's Golden Heart. There has always been a demand for a Big Boston Lettuce without the brown tinge. This Lettuce is black seeded Big Boston with less brown tinge. It will stand longer without going to seed and has a fine large heart, light color, and is crisp and tender. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 60 cts.; lb. $2.00.**

Bolgiano's May King Lettuce

98. Early May King. Plants are of quick growth, practically all head and extremely handsome. From early spring plantings in the open ground they grow quickly to a diameter of 6 to 7 inches, with the broad, light-green outer leaves folding closely about the round solid head; in cool weather the edges of these outer leaves are lightly tinged with brown. The inner leaves (practically the entire head) are blanched into a rich golden yellow and have a specially fine, rich buttery flavor. The round solid heads are so firmly folded that they can be shipped to distant market and arrive in good condition. We recommend repeated plantings of this fine early variety in the spring, and again during August and September for fall use. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. $1.50.**

342. Earliest Wayahead. Shows a remarkable combination of earliness, firm heading character, handsome appearance and fine quality. Both in cold frames early in the spring and in the open ground—in spring, summer and early fall months—it has proved to be not only the very earliest and surest heading of all early lettuces ever grown, but also of the very finest quality at all seasons. Wayahead is not only earlier than "May King" and other choice extra early varieties, but the heads are larger and more tightly folded. Other leaves are light green, inner leaves nicely blanched to a rich buttery-yellow tint; stands a long time before running to seed. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 50 cts.; lb. $1.75.**

324. Boston Market, or White-Seeded Tennis Ball. While of little or no value for outdoor planting, it is a splendid sort for growing under glass. Small hard heads. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 50 cts.; lb. $1.75.**

Bolgiano's Special Stock Big Boston

Loosehead, Cutting Varieties

350. Grand Rapids. This does not form heads, but makes large compact bunches of light leaves with fringed edges. Its delicious quality and handsome appearance make it most popular in winter markets of many Western cities. It is useful also for outdoor planting during spring and fall. Our stock is the best it is possible to produce. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. $1.50.**

199. Early Curled Simpson, or Silesia. A standard old favorite. Produces early clusters of crisp golden leaves of fine quality. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. $1.50.**

297. Black-Seeded Simpson. Recommended both for home and market gardens. The golden yellow curly leaves are crisp, tender and mild. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. $1.50.**

LETTUCE—Crisphead Varieties

Bolgiano's Masterpiece Lettuce

314. Iceberg. This is adapted for sowing for either spring or summer use, and no matter the season the leaves are always tender. The Iceberg lettuce has become most popular in family gardens. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 50 cts.; lb. $1.75.**

92. Bolgiano's Masterpiece Lettuce. ("Best in Garden" Variety, see page 6). This wonderful lettuce has been grown and tested by thousands of gardeners and lettuce growers, pronouncing the Masterpiece to be the best late spring, summer and early fall lettuce they had ever grown. Sweet, tender and crisp. No bitterness, never spots or turns dark in any part. Just one big head of good solid eating lettuce. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 80 cts.; lb. $2.75.**

348. New York, or Wonderful. The plants are extra large and produce heads of immense size with the leaves closely folded; inner portion blanches easily, and leaves are always crisp and tender. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 60 cts.; lb. $2.00.**

346. Los Angeles, or California Iceberg. For many years the Eastern gardeners were confident the Los Angeles lettuce was nothing more than the Iceberg, but they could never grow the same large, solid head. Most of the lettuce growers know the value of the Los Angeles. Heads are large, crisp and tender. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 60 cts.; lb. 2.00.**

238. Hanson Improved. Is uniformly sure heading; grows to a large size, and the heads blanch easily and are always solid; leaves crisp, mild and tender. One of the best to grow for the summer markets. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. $1.50.**

Cabbage, or Butter Head Varieties

325. Long Lost Lettuce. Produces large, solid, compact head. It is a sure header and is very hardy. Will winter even better than the Big Boston, never spots or shows brown in any part of the head. Sweet, crisp and tender. The leading market gardeners say the Long Lost is a profitable lettuce. **Pkt. 10 cts.; oz. 35 cts.; ¼ lb. $1.05; lb. $3.75.**

260. Mammoth Black Seed Butter. In a trial of several hundred Lettuces we were impressed with this kind for summer use. It makes a large, light green head; the leaves are slightly crumpled like our White Loaf. It withstands the summer heat. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. $1.50.**

165. California Cream Butter. A fine variety for growing in the South for shipping North during the winter. The beautiful large heads blanch to an attractive white color; the outer foliage is dark green marked with small brown spots. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. $1.50.**

102. Bolgiano's White Loaf. Gilt edge stock for careful growers. The most experienced truckers pronounce our White Loaf Lettuce the best they ever grew. Lettuce in frames and outdoor is a most important item with our large truckers. To suit their purpose a Lettuce must form a reliable head, be crisp and with pleasant flavor. These qualities they find in our White Loaf, which is used in large quantities for fall and spring sowing, and makes a paying crop. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. $1.50.**

60. Bolgiano's Black Seed Summer. A perfect heading outdoor lettuce, especially during our dry, hot summer, because it is long standing and always tender and pleasant to the taste. It does equally well for forcing under glass in hot beds, cold frames, greenhouses and for outdoor cultivation. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 50 cts.; lb. $1.75.**

PRINCIPLES OF VEGETABLE GARDENING, by L. H. Bailey. Full information on growing 70 vegetable crops makes this book worth several times its price to every grower. Includes practical pointers on hotbeds, cold frames, weeds, insects and diseases, marketing, storing, and drying. 250 illustrations, 490 pages. **$4.00.**

318. Improved Salamander. Especially desirable for late spring sowing. Medium sized, tender heads. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

Gibson County, Ind.
June 14, 1930.

F. W. Bolgiano & Co.

Gentlemen: We are very much pleased with the Bolgiano Tomato and the Masterpiece Lettuce, seed of which we purchased from you.

(Signed) J. W. MATTINGLY.

Bolgiano's Long Lost Lettuce

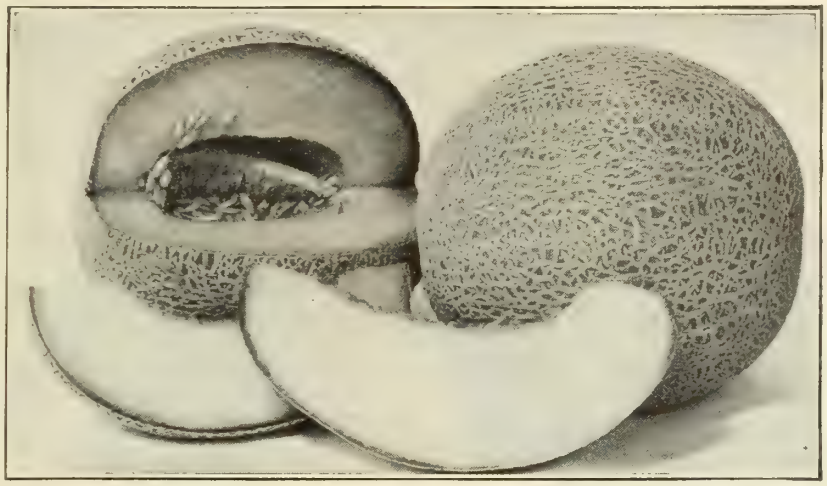
One Large 10ct. Pkt. Any Three Varieties Lettuce Seed for 25 Cts., Postpaid.

MUSKMELON, or CANTALOUPE

One Ounce Will Plant 50 Hills; 2 or 3 Pounds in Hill per Acre.

Prices Include Postage on Pkts., Ozs., ¼ Lbs. and Lbs.

CULTURE. Melons thrive best in a rich, light soil. Plant early in May, when the ground has become warm and dry, in hills six feet apart each way for muskmelons, eight feet for watermelons. Previous to sowing the seed, mix a few shovelfuls of well-rotted manure in each hill, and plant in each 12 to 15 seeds; after all danger of the bugs is over, thin out to three plants per hill.



When about one foot long, pinch off the tips to make them branch as it strengthens the growth of the vines and makes the fruit mature earlier. Give plenty of water and feed liquid manure occasionally. A few hills for early use may be had by sowing on pieces of sod in a hotbed, and when warm enough transplant to open ground.

Hale's Best Cantaloupe

Green Flesh Varieties

41. Sweet Air. This wonderful melon is medium in size, thick green flesh with small cavities, delicious sweet flavor, perfectly tender; it fairly melts in your mouth. Just the kind market buyers and shippers will pay the highest prices for. Vigorous grower, vines keep green and produce big crops of beautiful netted melons. No culls. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 50 cts.; lb. $1.75, postpaid.**

226. Jr. Rocky Ford. Two weeks earlier, a little larger and twice as productive as the Rocky Ford, one of the best rust and blight resisters. Vigorous grower, vines keep green and produce big crops of fine market melons. Its netting is close and deep, sweet flavor, thick green flesh with small seed cavities, make a very fine shipping melon. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 50 cts.; lb. $1.75.**

193. Knight, or New Maryland. It is not liable to blight, considerably earlier in maturing and nearly, if not quite, as large as the Sweet Air. The flavor is equal to the best on the market. The melons are firmly netted, uniform in size, and the thick green flesh is most delicious in flavor. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

48. Eden Gem or Netted Rock. A medium-sized melon, nearly round in shape, very heavily netted and very slightly ribbed. The flesh is extremely thick, the seed cavity very small. It is medium early and very prolific. The vine is vigorous and will resist blight. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

39. Rocky Ford, or Netted Gem. One of the best-known cantaloupes in the world. Its fine flavor, bright green, very deep meaty flesh, make it a popular variety. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

123. Bottomley Cantaloupe. In shape it is oblong, ribbed and heavily netted. The flesh is green, very solid and thick, having a delicious flavor that is equaled by only few melons that ever come to the table. When sold on the Washington Market last spring, it never failed to bring the highest prices offered. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 60 cts.; lb. $2.00.**

81. Bolgiano's Baltimore Nutmeg. Our seed this season has been grown from the old original stock seed. The Baltimore Nutmeg is a large green-flesh variety, sweet as sugar. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

210. Honey Dew Melon. Has a peculiar sweet pleasant taste. It must be dead ripe before being prepared for the table. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. $1.50.**

Salmon Flesh Varieties

242. Hale's Best Cantaloupe. Very early. Oval in shape with heavy netting and ribs hardly apparent. The flesh is exceptionally thick and firm, or fine sweet flavor. A deep salmon color. Has a very small seed cavity. It is at least ten days earlier in maturing than other types of Rocky Ford. It is ready for market in about 70 days. A very prolific melon and very valuable for the commercial and also the home garden. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 45 cts; lb. $1.50.**

230. Bolgiano's Unsurpassed Cantaloupe. As a shipper it is a wonder, stands long distance hauls, and is in perfect condition when shipped from California to New York. Packs 45 to the crate perfectly. "Solid netted, of a whitish gray color." The meat is a beautiful golden. Very thick flesh with extremely small seed cavities. Tender, a sweet pleasing flavor, one never to be forgotten. Vigorous grower, one of the best blight-resisters, producing large crops of even size melons, absolutely no culls. Be sure and give it a trial. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 60 cts.; lb. $2.00.**

231. Hearts of Gold. Here is a fair sized melon, larger than Rocky Ford with distinct ribs and quite heavily netted. The rich golden flesh has a most excellent flavor and is very deep, having only a small seed cavity. It is recommended for home or market gardens, while as a shipper its popularity is increasing for the high quality is retained perfectly after traveling long distances. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

344. Pearl Pinkmeat. A new variety with exceptional merit. Netting very coarse and skin is a beautiful shade of pearl making the outside appearance very attractive. Flesh is deep and pink in color, deliciously flavored. Shipping qualities are excellent. It is oval shape and slightly larger than Rocky Ford. Wherever it has appeared on the markets has commended a premium over other kinds. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

54. "Tip Top." Sweet, juicy, finest flavored, firm (but not hard) fleshed. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

63. 10-25 Cantaloupe. A re-selection of the Pollock Salmon Tint, No. 25 Strain, which in the last few years has become very popular among market gardeners. Orange flesh, tender, sweet flavor, without strings or toughness; excellent shipper, good seller. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

One Large 10c Pkt. Any Three Varieties Cantaloupe Seed for 25 Cts., Postpaid.

Prices Include Postage on Pkts., Ozs., ¼ Lbs. and Lbs.

WATERMELON

CULTURE. Same as for Cantaloupes on page 25.

Four to Five Pounds to an Acre; One Ounce for Thirty Hills.

Stone Mountain Watermelon

317. General Pershing Watermelon. The finest melon ever introduced. The sparkling red flesh is as sweet as honey. No hard center and stringless. Flesh firm and compact. Rind tough; will stand shipping from Florida to Canada in perfect condition. Vigorous grower. Vines keep green and produce enormous crop of first-grade melons weighing 35 to 51 pounds each. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

64. Tom Watson. This old favorite is an extra long melon of attractive appearance, uniform in shape and quality; the luscious crimson flesh is "as sweet as honey," melting and of superb flavor. The average melon will weigh 35 to 40 pounds and measure 28 inches long and about 12 inches in diameter. As a shipping melon, it has held first place and is also quite popular for home use. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 85 cts.**

304. Irish Grey. The rare combination of tempting sweet flavor and a tough rind make this melon one of such superior merit that it well deserves the popularity that it has been receiving among growers for shipping and home use. One feels a little disappointed at the first sight of the light green rind, but the view and taste of the delicious interior makes fast friends. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

144. Improved Florida Favorite (White Seeded). Early. Fine quality; medium size; flesh deep red. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 85 cts.**

246. Coles Early. Strictly a home market melon, almost round in shape. Rind light green, striped with broad bands of dark green. Flesh bright red, crisp and delicate texture. Ripening 80 days. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

175. Georgia Rattlesnake. Oblong, dark and striped; bright red flesh; late. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 85 cts.**

209. Kleckley Sweet, or Monte Cristo. A fine melon for home growing and table use. Vines are strong, vigorous and the fruits grow to large size, 18 to 20 inches long and 12 inches in diameter. Skin is a rich, dark green; flesh bright scarlet, ripening close to the rind, which is but half an inch thick, so that shipping it long distances is not practicable. Crisp, sugary, melting and entirely free from stringiness. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

STONE MOUNTAIN WATERMELON

239. This new watermelon immediately became immensely popular. The melons are round of the richest dark green color. They have medium rind and a beautiful scarlet flesh with the finest and sweetest flavor. Without white hearts or stringiness. On good melon land they grow 50 to 80 pounds. Solid through and almost all heart. **Pkt. 10 cts.; oz. 15c; ¼ lb. 45c; lb. $1.50.**

WONDERMELON—KLECKLEY SWEET IMPROVED

132. This improved strain has the same red flesh, delicious sweetness and all the other splendid qualities that made Kleckley Sweet such a favorite. The improvement has principally been made along the lines of size and shipping qualities. They will weigh as much as 50 pounds, yet the rind is thin, but so tough that Wondermelon will stand long shipments excellently. **Pkt. 10 cts.; oz. 15c; ¼ lb. 35 cts.; lb. $1.00.**

RIBAULT OR RADIO

241. The rind is green, indistinctly striped with lighter green. It will average larger than the Tom Watson. It is long and thick in shape. While the rind is only medium thick, it is very tough and will stand rough usage in shipping and under ordinary handling the rind will not break The flesh is bright red, sweet and free from hard centers. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. $1.50.**

302. Halbert Honey. A very sweet, long, dark green variety. Fruits average 18 to 20 inches long, has a thin rind and deep red meat of delightfully delicious flavor; pulp entirely free from stringiness; seed white. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

229. Excell. A long green melon, with visible stripes. Handsome in appearance and far surpasses the Tom Watson both as a shipper and for the table. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

343. Preserving Citron. Medium size, uniformly round, used only for preserves or pickles. Color dark green, distinctly striped and marbled with light green. Flesh white and solid, but not at all suitable for eating raw. Seed red. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

MUSTARD Postpaid.

One Ounce of Seed Will Sow 50 Feet of Drill.

For late spring use sow in February, March or April; for fall use sow in August and September. Sow the seed in rows 8 to 10 inches apart. One ounce will sow about 50 feet of drill; about 5 lbs. is required for an acre if sown broadcast.

130. Southern Giant Curled. A curly leaf variety; produces large leaves; makes a very fine salad; flavor is all that can be desired. Plant in fall for early spring salad. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.**

170. Chinese. Differs from the preceding in that the large, broad leaves are smooth and flat. The plants produce a large quantity of leaves which are delicious when cooked and served like Spinach. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.**

327. Ford Hook Fancy Mustard. The plants are of vigorous growth; dark green leaves curve outward like a fine ostrich plume. Fine flavor, one of the best for early salad. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.**

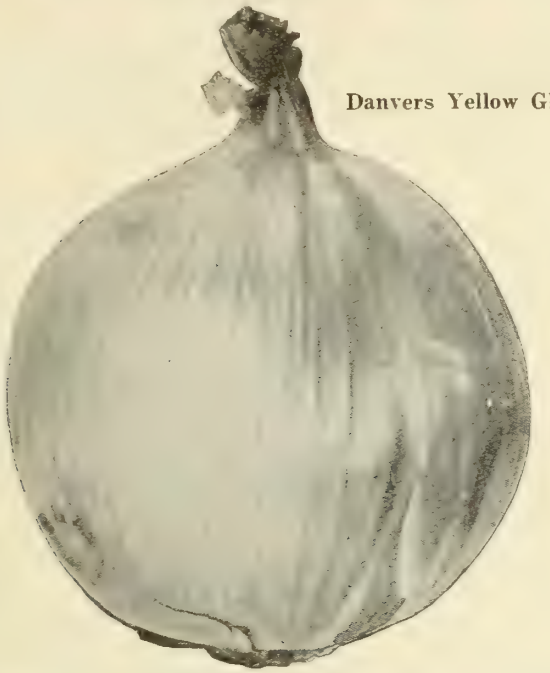
303. White Seed Mustard. Leaves small and smooth of medium dark green color. The plant is upright, of rapid growth and soon bolts to seed. The leaves when young are mild and tender. Seed light yellow and larger than that of other varieties. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.**

One Ounce Will Sow 100 Feet of Drill

ONION

Six Pounds to the Acre

Prices Include Postage on Pkts., Ozs., ¼ Lbs. and Lbs.



Danvers Yellow Globe

CULTURE. For sets sow the seed early as possible in the spring, very thickly in drills. As soon as the tops die off in summer remove them to a dry, airy place, and early in the following spring replant by placing the sets in shallow drills, 12 inches apart, and about 4 inches apart in the drills. The onions obtained by that process are of a large size early in the season. May also be grown to full size during the first season by sowing thinly in drills 1 foot apart and about ¼ inch deep in March or early in April, in strong land, well manured, and thinning them out to 3 to 4 inches apart in drills. They delight in a strong, rich, deep, loamy soil, and succeed well if grown successive years on the same ground. By sowing onion seed in frames in February and March and transplanting in April onions of immense size can be obtained. For this purpose Prize-Taker succeeds best.

85. White Silver Skin. This famous onion retains its great popularity. Its delicate and mild flavor, its shapely form and size, and its pure white color make it a most desirable variety for the table, for the market and for shipping. Onion sets are extensively grown from this sort, and from these sets full-size onions are grown as early as June and July. The onion sets and large onions are used for pickling purposes because of their clean, silvery white color. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. $2.50.**

174. Australian Brown. It is of medium size and of good quality, very early, rather flattened in shape, brown in color, and wonderfully hard and solid. It begins to form a bulb at an early period of its growth, when only a few inches high, and quickly reaches maturity. Its leading and most valuabl. feature, aside from its appearance and quality, is its long-keeping quality. It will literally keep for a year or more. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. $1.50.**

296. Yellow Globe Danvers. A popular variety of fine flavor and a splendid producer. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 60 cts.; lb. $2.00.**

201. Southport Yellow Globe. Some gardeners claim the Eastern-grown seed produces a more solid onion than the Western-grown. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 60 cts.; lb. $2.00.**

36. Danvers Flat Yellow. Color brownish-yellow; bulbs quite round and of good size. This is one of the varieties grown for sets. They are more hardy than the whites, and keep better through the winter. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. $1.50.**

224. Mammoth Prize-Taker. This onion is seen on fruit stands in the fall and is the largest and handsomest onion in cultivation, and can be grown full size from seed. It keeps well, has white flesh, and mild, delicate flavor. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 60 cts.; lb. $2.00.**

293. White Portugal. Fine color; mild flavor; pure white. Fine for onion sets and pickles; will grow to large size if sown thinly and kept worked. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. $2.50.**

320. Mammoth Silver King. The skin is beautiful silver white. The flesh is sweet and mild. Large size flattened but thick. The average diameter 5 to 7½ inches. Matures in about 85 days. An excellent keeper. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 80 cts.; lb. $2.75.**

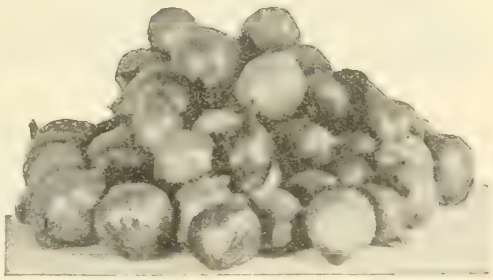
188. Ebenezer or Japanese. Similar to Yellow Globe Danvers in shape and size but are superior in flavor and keep longer. They are firm, solid, have a thin skin and are agreeably mild. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 65 cts.; lb. $2.25.**

206. Large Red Wethersfield. Produces beautiful, thick, flat-shaped, rich, purplish-crimson colored solid bulbs. It always commands a good price in the market. It is a good keeper and of excellent quality. **Pkt. 10 cts., oz. 20 cts.; ¼ lb. 60 cts.; lb. $2.00.**

225. Southport White Globe. Of all our American varieties of market onions, this generally commands the highest price. Of true globe form, the onions are 2 to 2½ inches in diameter, with a thin, delicate skin of purest paper whiteness. The flesh is crisp, fine grained, snowy white in color and very mild flavor. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 80 cts.; lb. $2.75.**

ONION SETS

Onion Sets by Mail



We will send by mail postpaid either Yellow or White Onion Sets at 25 cts. per ½ pound (about one pint), or 35 cts. per pound (about one quart), safely packed.

We Supply Onion Sets in Any Quantity Up to Carloads

	Per bu.
White Silver Skin	$4.00
Yellow Danvers	3.50
Red Wethersfield	3.50
Japanese	3.75

Write for latest prices. Prices subject to market changes.

MUSHROOM SPAWN

Mushrooms may be grown in cellars, under benches or greenhouses or in sheds, wherever the temperature of 50 degrees can be kept up through the winter. The beds should be made from November to February, according to the time the Mushrooms are wanted, and it requires about two months for them to begin bearing. One brick of spawn is sufficient for 8 square feet of prepared beds.

American Spawn. In bricks. Per brick, 25 cts.; 10 bricks, $2.25; per 100 bricks, $20.00.

If requested, with each one dollar order for Mushroom bricks, we will send a book on Culture. Books alone, 10 cts.

GARDENING IN THE LOWER SOUTH, by H. H. Hume. The first and only complete garden guide for the South. It tells what flowers to plant for steady succession of bloom, how to have fresh vegetables throughout the year, how to grow fruits, what varieties to plant, what trees and evergreens grow best, and all about Southern soils, fertilizing, lawn making, palms, roses, azaleas, bulbs, bamboos, vines, and other plants. 102 illustrations, 472 pages. $5.00.

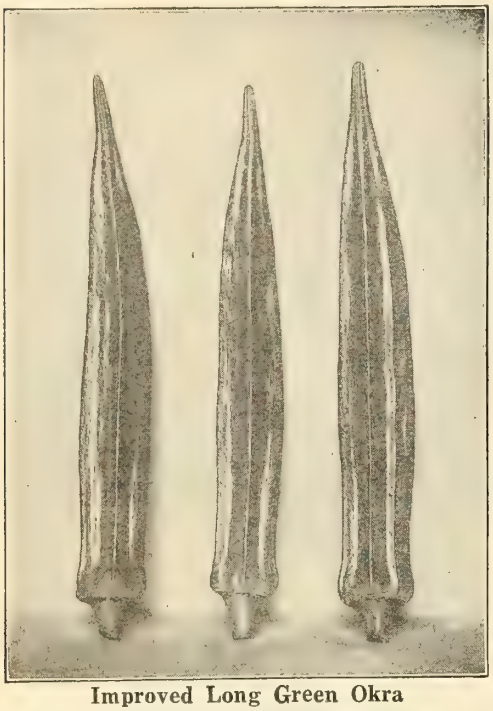
Prices Include Postage on Pkts. Ozs., ¼ Lbs. and Lbs.

1 oz. Will Sow 30 Feet of Drill.

GREEN OKRA

Ten Pounds to the Acre.

CULTURE. This vegetable is extensively grown for its green pods, which are used in soups, stews, etc., to which they impart a rich flavor, and are considered nutritious. Sow seed thickly in rich ground about the middle of May, or when ground has become warm in drills 3 feet apart, 1 inch deep; thin to 10 inches apart in drills.



Improved Long Green Okra

154. Dwarf Green Prolific. A very early variety, dwarf in habit but producing very freely short green pods slightly ridged and yet of fine flavor and quality. Its pods can be easily dried for winter. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.**

189. Improved Long Green. A very desirable sort for market gardeners; of medium height; very handsome; bears long pods, which remain tender a long time and are free from hard ridges. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.**

234. White Velvet. A popular new variety with white pods. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.**

56. Perkin's Mammoth Long-Podded. Pods shoot out from the stalk within three inches of the ground and the whole plant is covered with them to its extreme height. Pods are an intense green color, 9 to 10 inches long, very slim and do not get hard. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.**

One Ounce Will Sow 200 Feet of Drill.

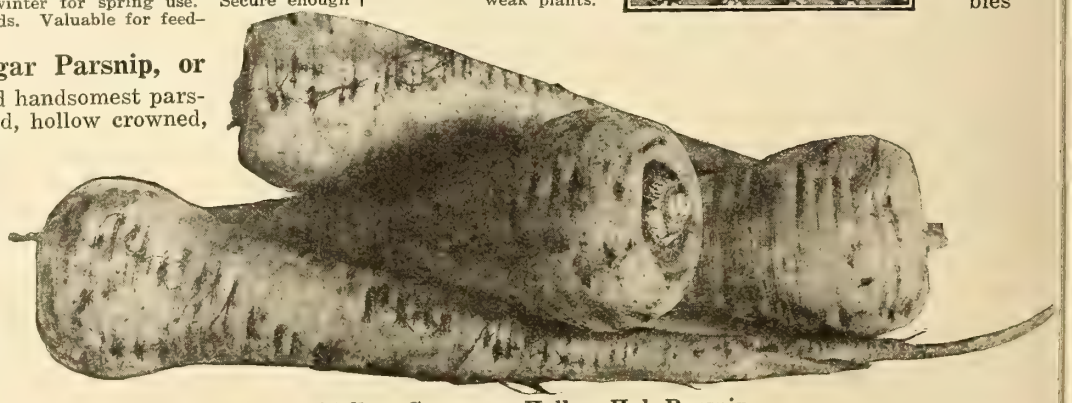
PARSNIP

5 to 6 Pounds for an Acre.

CULTURE. Sow as early in the spring as weather will permit in drills 15 inches apart in rows. The quality of the roots is improved by leaving them in the ground over winter for spring use. Secure enough in pits or cellars for immediate needs. Valuable for feeding as well as for table use.

83. Hollow Crown Sugar Parsnip, or Hollow Hub. the best and handsomest parsnip. Half long, wedge-shaped, hollow crowned, and very broad at the shoulders, easily taken out of the ground, and producing more tons to the acre than the longer and thin varieties. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 85 cts.**

86. Guernsey. A greatly improved strain. Hollow crown very smooth. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**



Hollow Crown, or Hollow Hub Parsnip

One Ounce Will Sow 100 Feet of Drill.

PARSLEY

Six Pounds to the Acre.

CULTURE. Succeeds best in a mellow, rich soil. Sow thickly in April in rows 1 foot apart and ½ inch deep; thin out the plants to stand 6 inches apart in the rows. The seed is slow of germination, taking from 3 to 4 weeks to make its appearance, and often failing to come up in dry weather. To assist its coming up quicker soak the seed a few hours in warm water or sprout in damp earth and sow when it swells or bursts. For winter use protect in a frame or light cellar, or lift some of the plants and reset in six-inch flower pots or small boxes and place in kitchen window.

106. Market Gardener's Best Triple-Curled — The plant is of a very robust and free growth, and it is improved by severe cutting. The leaves are very large and beautifully curled, and of a very dark green. It will stand the heat, drought and cold better than many other varieties. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

194. Emerald, or Dwarf Extra Curled. Leaves are tender, beautifully curled; handsome, bright green color; very pretty; makes long stems. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 95 cts.**

Parsley

341. Plain, or Single. Leaves flat, deeply cut, not curled, but very dark green. Plant very hardy. One of the most popular varieties for Southern culture. A good producer of excellent quality garnish. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

Left—A field of parsley from Semesan-treated seeds.

Right—Untreated seeds produced many weak plants.

Parsley Yields Are Greatly Increased By the Use of Semesan Write for Booklet "Semesan Produces More and Finer Vegetables"

PEPPER

One Ounce Will Produce About 1,500 Plants.

Prices Include Postage on Pkts., Ozs., ¼ Lbs. and Lbs.

CULTURE. Peppers are indispensable as a seasoning for soups and meats. The large varieties are mainly used for this purpose and pickling. The mild, sweet varieties, like Sweet Mountain, Bull Nose and Ruby King, are used for Mangoes, while the small-fruited sorts are best for sauces. Sow in hotbeds in March or April or sheltered border in May; when the season is favorable transplant in rows 2 feet apart and 18 ins. in the row, in good, rich, mellow ground.

263. Chinese Giant. This monstrous fruiting variety averages 12 to 15 inches in circumference and, notwithstanding its immense size, it is very early and prolific. The stocky, well-branched plants, about 2 feet high, carry so many peppers that in places they seem bunched together. The flesh is thick, tender, mild, sweet and unexcelled when sliced or for stuffing for "mangoes." When ripe the surface is of a brilliant, varnished scarlet. **Pkt. 10 cts.; oz. 50 cts.; ¼ lb. $1.65; lb. $6.00.**

88. World Beater. A cross between Chinese Giant and Ruby King, having the shape of Ruby King, except broader at the pointed end and almost the size of Chinese Giant. Far more prolific than Chinese Giant and fully as early as Ruby King. An exceptional all-around pepper. **Pkt. 10 cts.; oz. 30 cts.; ¼ lb. $1.00; lb. $3.50.**

274. Bell, or Bull Nose. Produces a very large-sized pepper, which is highly esteemed for pickling. Flesh is sometimes quite hot in flavor. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 85 cts.; lb. $3.00.**

328. California Wonder Pepper. **("Best in Garden" Variety, see page 4).** Blocky square ended Sweet Pepper. Perfect to stuff and bake and to serve whole with salad. Thicker, heavier and firmer than any other sort. Deliciously sweet and spicy. Beautiful attractive crimson color. Size 4 by 4½ inches, weighing as much as a pound. **Pkt. 10 cts.; oz. 55 cts.; ¼ lb. $1.90; lb. $7.00.**

253. Long Red Cayenne. A long red variety, very hot, and is generally used for seasoning soups. **Pkt. 10 cts.; oz. 30 cts.; ¼ lb. $1.00; lb. $3.50.**

266. Red Chili. They are pointed like the Cayenne, but not so long nor so thick, and are exceedingly pungent when ripe. Requires a long, warm season. The plants should be started early in a hotbed. **Pkt. 10 cts.; oz. 35 cts.; ¼ lb. $1.15; lb. $4.00.**

Small Sugar Pumpkin

283. Ruby King. An improved American variety, reaching the largest size, often 4 to 6 ins. in length and 3½ to 4 ins. thick, yet retaining the symmetrical shape of the smaller size. Very bright colored and the flesh is sweet and mild flavored. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 90 cts; lb. $3.25.**

Ruby King Pepper

284. Royal King. An improved Ruby King, four lobed, bright color, mild and sweet. This variety, to our minds, far surpasses any recent types on the market. **Pkt. 10 cts.; oz. 30 cts.; ¼ lb. $1.00; lb. $3.50.**

306. Pimiento. Undoubtedly the thickest fleshed of all peppers. The peppers are of just the right size, measuring about 3½ inches long by 2¼ inches across the stem, being decidedly conical in shape, and are of a rich bright scarlet color. The meat or flesh is tender and sweet. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 85 cts.; lb. $3.00.**

PUMPKIN

Hills, Eight Feet Apart. Two Pounds to the Acre.

CULTURE. May be planted middle of spring, among the Indian corn or in the field or garden, in hills 8 to 10 feet apart each way, four seeds in a hill. In other respects they are cultivated in the same manner as melons and cucumbers. Avoid planting them near other varieties.

245. King of the Mammoth, or True Potiron. The great prize pumpkin growing the largest of all, from 100 to 200 pounds in weight, bright yellow, tender, excellent. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

126. Large Sweet Cheese. A most popular variety; fruit flattened; skin mottled light green and yellow, changing to rich cream color as it matures. Flesh yellow, thick and tender. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.**

197. Sweet Potato. The finest variety for table use. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

158. Connecticut Field, or Large Yellow. The common field variety. Excellent for feeding. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.**

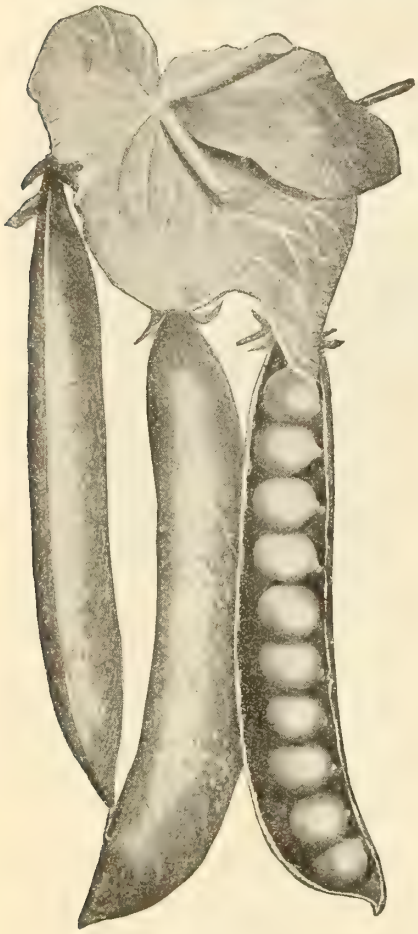
75. Yellow Winter Crookneck. Fruits are about 2 ft. long, with solid, meaty, curvy neck. Seed located in bulb-like end; color solid yellow. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

181. Green Striped Cushaw. Fruits very large, with crooked neck. Color creamy white, irregularly striped or traced with green. Flesh light yellow, very thick, rather coarse but sweet. This sort is very productive and popular in some sections. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

220. Small Sugar. A very handsome little pumpkin with deep orange-colored skin and flesh of usually fine, sugary flavor, fine-grained, very productive, and keeps well. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

One and One-Half Bushels to the Acre. **PEAS** One Quart Will Plant 100 Feet of Drill.

Weight by Parcel Post, Including Packing, 4 Qts., 9 Lbs.; Pk., 17 Lbs.—Parcel Post Table, Page 2.



Laxtonian Peas

CULTURE. Peas mature earliest in light, rich soil. For general crop use a rich, deep loam or inclining to clay is best. When grown in garden sow in double rows 6 to 8 inches apart; the rows 2 to 4 feet apart. Commence sowing the extra early varieties as early as the ground can be worked in February or March; transplant for a succession every two weeks until June, then discontinue until the middle of August, when a good crop may be secured by sowing extra early and early sorts for fall use. They should be kept clean and earthed up twice during the growth. The wrinkled varieties are not as hardy as the small, round sort and if planted early should have a dry soil or they are liable to rot in the ground. They are, however, the sweetest and best flavored varieties. The dwarf varieties are best suited for small gardens.

Extra Early Dwarf Varieties

547. The "Trailblazer" Pea. A wonderful new early pea. An enormous producer of large, dark green pods filled with big, sweet, richly flavored peas. Plants grow about 1½ ft. **Pkt. 10 cts.; pt. 40 cts.; qt. 75 cts., postpaid; pk. $3.60; bu. $13.25.**

532. Early Bird. **("Best in Garden" Variety, see page 6.) Bolgiano's New Early Large Pod Pea.** A very early, hardy, large podded, 2 to 2½-foot pea. Can be pulled as early as Pilot, with pods double the size. A robust grower, heavy yielder, 9 to 10 peas in a pod. Can be sown with safety as soon as the ground can be worked. **Pkt. 10 cts.; pt. 40 cts.; qt. 70 cts., postpaid; pk. $2.90; bu. $10.75.**

537. Laxtonian. This handsome new wrinkled pea is the largest podded of the dwarf varieties on our list. The beautiful dark green pods are similar to Gradus in shape and splendid quality; are very nearly as large in size and mature a little earlier. The vines are vigorous, productive, averaging 15 to 18 inches high, foliage dark green; pods about 4 inches in length. Seed light green, large, wrinkled, flattened, irregular in shape. **Pkt. 10 cts.; pt. 35 cts; qt. 65 cts., postpaid; pk. $2.80; bu. $10.25.**

541. Little Marvel. Vines of dwarf even growth, averaging 15 inches in height. Heavily set with fine pods and frequently borne in pairs. Ready for table fully as early as American Wonder; vines are larger and produce a much heavier crop. **Pkt. 10 cts.; pt. 35 cts.; qt. 65 cts., postpaid; pk. $2.80; bu. $10.25.**

527. Nott's Excelsior. **Pkt. 10 cts.; pt. 35 cts.; qt. 65 cts., postpaid; pk. $2.80; bu. $10.25.**

We Pay Postage on Pkts., Pts. and Qts. of Seed Peas Only. Larger Quantities, Parcel Post, Freight or Express Charges Extra.

549. Laxton's Progress. Vines grow about 18 inches tall and bear just a little earlier than Laxtonian. Pods are 4 inches long and contain 8 large sweet green peas. **Pkt. 10 cts.; pt. 40 cts.; qt. 70 cts., postpaid; pk. $3.15; bu. $11.65.**

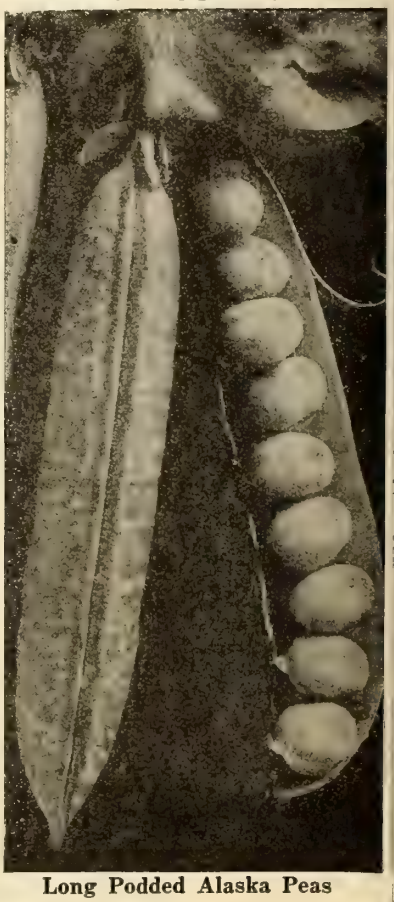
546. Premium Gem. This variety is nearly as early as the American Wonder, and the vine is decidedly larger, growing from 12 to 16 inches, and bearing an immense crop of pods which are larger and invariably filled with peas of best quality. **Pkt. 10 cts.; pt. 35 cts.; qt. 65 cts., postpaid; pk. $2.75; bu. $10.00.**

10537. Bolgiano's 100% Profit Peas. Only grows 1 foot high, but quickly produces an abundance of immense beautiful, deep green pods, filled with large, delicious peas. "100% Profit" Peas are much earlier, dwarfer, more prolific, deeper green color, and more delicious in flavor than either the Thomas Laxton or the Gradus Pea. Will make a lot of money quickly for the market gardener and shippers to Northern markets. As a pea for the home garden it is beyond description. **Pkt. 10 cts.; pt. 40 cts.; qt. 70 cts., postpaid; pk. $2.90; bu. $10.65.**

539. American Wonder. This variety stands unrivaled in point of productiveness, flavor and quality, and is without exception the earliest wrinkled pea in cultivation. It is of dwarf and robust habit, growing from 10 to 15 inches high, and produces a profusion of good-sized and well-filled pods, of finest flavor. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.65; bu. $9.50.**

Extra Early Varieties

534. Extremely Early Long-Podded Alaska. An entirely new, vigorous, handsome, long-podded, delicious flavored Alaska pea. Bound to become extremely popular, for it has all the good qualities of our Famous Extra Early Alaska Pea, and in addition it has a well-filled, long pod, which will fill the basket quickly, and while it is not a distinctly sugar pea, yet it has a much sweeter flavor than the Alaska. It is abundant yielder. **Pkt. 10 cts.; pt. 35 cts.; qt. 65 cts., postpaid; pk. $2.85; bu. $10.50.**



Long Podded Alaska Peas

Nitragin for Garden Use

Every garden needs Nitragin; fresh high count NITRAGIN, containing billions of nitrogen-gathering germs build up the soil. Costs less than others — is cheapest crop insurance. Insist on NITRAGIN. Garden size is for Peas, Sweet Peas, and Beans, including Lima (3 in one Inoculent). **Price** **25c**

PEAS—Extra Early Varieties

Extra Early Gradus

540. Bolgiano's Earliest Springtime. Can be planted the same time as Extra Early Alaska. The pods are 4 to 5 inches long. Peas nearly as large as the Gradus. It is truly a leader in earliness, in flavor, in size of pods, in productiveness of large pods filled full of large and most delicious peas. Its vigor and regularity in growth. Its qualities make it the superior pea for the market gardener, and the pleasure the home gardener anticipates in supplying his table with the first picking of the most delicious peas is quickly realized after planting the "Springtime." **Pkt. 10 cts.; pt. 35 cts.; qt. 65 cts., postpaid; pk. $2.85; bu. $10.50, not prepaid.**

536. Extra Early Alaska. The earliest of all smooth green peas, having the best color when shelled and the best quality when cooked. The dark green color of the pods makes it extremely desirable, as it can be carried long distances without losing its color, which quality, combined with its earliness and uniformity of ripening, make it one of the best early peas for market gardeners. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.50; bu. $8.75.**

10540. Pilot Peas. As early as the best selected, small and smooth seeded extra early varieties. The pods and peas are nearly as large as those of the Gradus and are produced three days earlier. **Pkt. 10 cts.; pt. 35 cts.; qt. 65 cts., postpaid; pk. $2.85; bu. $10.50.**

535. Extra Early Gradus, or Prosperity Peas. It produces pods equal in size to the well-known Telephone. Quality and productiveness equal to that well-known variety. The vines are vigorous, robust growth about 2½ feet high, thick stems and luxuriant foliage; it bears large, handsome pods with immense, luscious peas, remaining sweet and tender a long time after they are fit to pick. **Pkt. 10 cts.; pt. 35 cts.; qt. 65 cts., postpaid; pk. $2.80; bu. $10.25.**

533. Extra Early Thomas Laxton. An extra early wrinkled marrow of excellent quality, and a valuable addition to the very early varieties. It is three feet high and somewhat more vigorous in habit than Prosperity. The pods are medium to large, blunt-ended and filled to the tip with large peas of true, rich "marrow" flavor. Its strong vine and heavy cropping character make it very suitable for an early crop in the private garden. It may be used to great advantage as an immediate successor to Gradus. If sown together, Thomas Laxton will be in full production just as the crop of Gradus is diminishing. **Pkt. 10 cts.; pt. 35 cts.; qt. 65 cts., postpaid; pk. $2.80; bu. $10.25.**

10519. First and Best. **Pkt. 10 cts.; pt. 35 cts.; qt. 65 cts., postpaid; pk. $2.80; bu. $10.25.**

20534. Ameer. Fine podded Extra Early; prolific. **Pkt. 10 cts.; pt. 35 cts.; qt. 65 cts., postpaid; pk. $2.70; bu. $9.75.**

Second Early or General Crop

530. Bolgiano's New Victory Pea. The vines are deep dark green in color. Pods 5½ to 6 inches long, filled with beautiful deep dark green peas of large size and most delicious flavor. **Pkt. 10 cts.; pt. 40 cts.; qt. 75 cts, postpaid; pk. $2.80; bu. $10.25.**

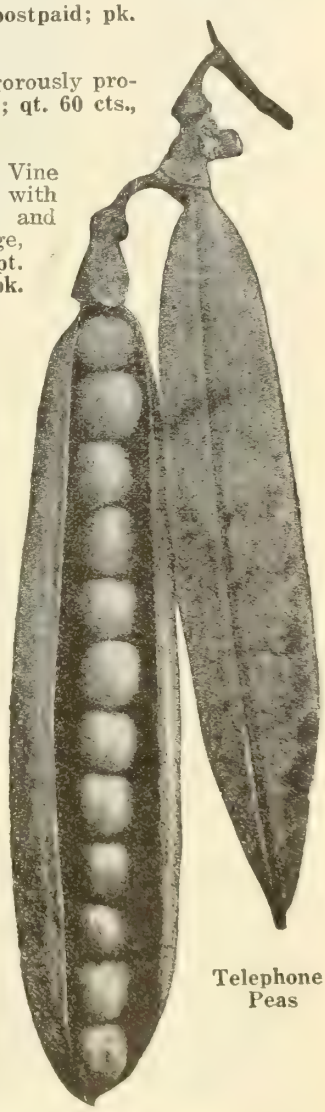
531. Telephone. A wrinkled variety of very robust habit and a great bearer. A single vine produces from 8 to 10 unusually long, well-filled pods of largest size, containing 10 to 11 peas. It is very productive, of fine flavor and an excellent table variety. Height about 4 feet. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.65; bu. $9.50.**

548. Horsford's Market-Garden. Very prolific. **Pkt. 10 cts.; pt. 35 cts.; qt. 65 cts., postpaid; pk. $2.75; bu. $10.00.**

10531. Alderman. Tall, vigorously productive. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.65; bu. $9.50.**

545. Improved Stratagem. Vine medium height, but very stocky, with very broad, light green leaves, and bearing an abundance of large, handsome pods. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.65; bu. $9.50.**

10535. Wonder Worker (Bolgiano's Earliest Wrinkled Pea). Six weeks from planting, this wonderful large wrinkled pea can be marketed. In earliness, great size and excellent flavor it is unequalled. The vines grow 2½ feet high, and are very hardy, resisting pests and cold weather. It bears an abundance of large, even deep green pods. **Pkt. 10 cts.; pt. 35 cts.; qt. 65 cts., postpaid; pk. $2.85; bu. $10.50.**



Telephone Peas

PEAS—Edible-Podded or Sugar

528. Melting Sugar. Grows to height of 5 feet; bears a profusion of large, broad pods, which are so brittle they snap without any string. Should be used in much the same way as wax bean. Pods, when cooked, are very sweet and tender. **Pkt. 10 cts.; pt. 45 cts.; qt. 75 cts., postpaid; gal. $1.65; pk. $3.15.**

MANUAL OF GARDENING, by L. H. Bailey. You can depend on this book to supply you with complete and practical information on planting and landscaping your home grounds. Tells how to make the most of natural features; how to drain, cultivate, and fertilize the soil; how to sow, propagate, transplant, prune, and graft the different classes of fruits, vegetables, and flowers. Gives lists of varieties suited for different purposes. 350 illustrations, 539 pages. **$3.00**

MAINE SEED POTATOES

See Inclosed Pink Sheet for Latest Prices on Seed Potatoes

The HOULTON (MAINE) SEED POTATOES are universally acknowledged to be the best; grown in the cold North, where Nature conspires against all but the strongest, we get our best seed. For earliness and productiveness we are convinced that Maine-grown seed are the best, and, in the long run, cheapest. Why not take the same care in selecting your seed potatoes as you would your cabbage?

Irish Cobblers

Trust Buster. **(Bolgiano's new extra early seed potato).** The great success of this new potato is assured from the wonderful reports we have received the last few years. It is not only early, but it is a heavy producer of potatoes of the very finest texture and quality. These potatoes are uniform in size, color, and fine flavor. They are quickly prepared for cooking, as the skin peals readily and they cook dry and mealy.

Irish Cobbler. The most popular of the early varieties. Of handsome cream white color and of excellent quality, making it most desirable for the best trade. It is a vigorous grower, ripens uniformly, and is a good keeper.

"Prosperity" (the best second early and main crop potato). Yields great crops of even, fine, smooth, large potatoes, even under the most unfavorable circumstances, and can be relied upon to bring in good money. The flesh is as white as snow, and cooks dry and mealy. The eyes are even with the surface, the skin white, with rich, yellowish-creamy cast, and considerably ruffled or netted.

Green Mountain, or State of Maine. The best main crop potato now on the market; fine yielder; fine flavor; fine appearance. Free from blight and rot. Keeps well, and is always ready for the table.

Early Long Six Weeks. Ready for the table in six weeks.

Red Bliss Triumph, or Improved Red Bermuda. One of the earliest varieties grown; its great productiveness, handsome color and resistance to disease make it most popular.

Spalding Early Rose. This is a popular potato; very early; fine quality, and very productive.

XX Early, or Early Ohio. This is a potato that comes to us very highly recommended—one of the finest, practically free from blight; rose color; productive.

Our stocks have been grown for seed purposes, and are carefully selected for yield and purity. Get our prices before you buy. Several have told us that seed gotten from our house yields from 20% to 25% more than seed saved by themselves.

If shipments are requested during severe cold weather, the tubers travel solely at purchaser's risk.

POTATO FERTILIZER

We Recommend 4-8-4

Contains those elements essential to grow quality potatoes. See page 78.

SWEET POTATO ROOTS

CULTURE. Don't wait for a rain or a 'season' to set out sweet potato plants. Harrow your ground well before laying it off, then throw up the ridges higher than you want them, and if the soil is very dry allow 2 or 3 days for the moisture to rise; then knock off the top of the ridge just ahead of planting; make a mud batter with water and clay loam, or, better, with the addition of fresh cow dung, about as thick as cream; dip the plants, in hands of about 20, into this, so that a large quantity of the mud clings to them.

Big Stem Sweet Potatoes. They are of fine size, and the yield has astonished our most critical trade. They make only a very few, and in some cases no small roots. The quality is first class.

Jersey Sweet Potatoes. Are too well known to require any description. We get these from reliable growers in New Jersey.

Sweet Potato Plants. Rooted slips ready in May. The young plants should be set in May and June.

Treat Seed Potatoes With Semesan Bel

Semesan Bel is the new instantaneous disinfectant for treating both white and sweet potatoes. In addition to controlling the common potato diseases, such as scab, rhizoctonia, black rot, scurf, black leg, etc., Semesan Bel is harmless to cut, whole or sprouted seed pieces; actually preserves the seed piece against soil-borne organism; promotes earlier and more profuse sprouting; improves the quality of the produce and increases the yield by much larger percentages as to make the cost of treatment a very profitable investment. **Price, 4 ozs. 50 cts.; 1 lb. $1.75; 5 lbs. $8.00; 25 lbs. $31.25.** Full directions for using Semesan Bel, as well as a summary of the results obtained by prominent potato growers and Agricultural Experiment Stations will be found in the Semesan Bel Potato Booklet which we will mail free to your address on request.

6 Ounces of Seed will Plant 100-Yard Row.

RADISH

Eight to Twelve Lbs. to the Acre.

Prices Include Postage on Pkts., Ozs., ¼ Lbs. and Lbs.

Radishes are one of the most popular spring and summer vegetables, and it is easy by successive sowings to have a generous supply throughout the entire season.

We have divided the varieties into four classes, and call attention especially to the long-rooted sorts which remain in condition a long time before becoming pithy.

Suggest that you try the White Chinese Winter, sowing the seed the same time as recommended for turnips.

Scarlet Globe Radish

CULTURE

Radishes thrive best in light, rich, mellow soil, and to bring out their mild qualities they must make quick and tender growth. Sow for very early use in hotbeds during the winter and early spring, or later on in sheltered borders in well-manured, deeply-dug and finely-raked soil. If not well stimulated into a rapid growth they become fibrous and tough. Sow in drills 10 inches part and thin to 2 inches in the rows. Sow at intervals of 2 or 3 weeks until September for a succession. Sow winter varieties in July and August. Like the turnips, they make the best growth in the autumn, and must be taken out before severe frost and stored away in a cool cellar in sand or in a pit where they will keep tender and crisp all the winter. Before using, put in cold water, which adds to their freshness.

Extra Early Round Varieties

79. Bolgiano's No. 2 Scarlet Globe Radish. **("Best in Garden" Variety, see page 4).** Is the very best in every way. It is handsome in form and color, beautiful oval and rich scarlet. The amount of its foliage is small, compared with other varieties, and small for the size of the radish. The peculiar merit of this variety as a forcing radish is that it will bear the heat requisite for forcing without becoming pithy or spongy. The flesh is tender, juicy and mild. It is equally as good for open garden as for forcing, and therefore it commends itself equally to the amateur and market gardener. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 85 cts.**

311. Model White Box. An early variety, very popular with market gardeners. Radishes grow 1 to 1½ inches in diameter, with pure paper-white skin; crisp, mild flesh. Largely planted in the field for the earliest market crop. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 85 cts.**

259. Scarlet Olive-Shaped. This radish, olive shaped, has a distinct, bright-scarlet color. The whole crop maturing at one time makes it very desirable. It is among the best shippers. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 85 cts.**

Radishes are one of the first things you can pick from your garden in the spring, and winter varieties can be enjoyed until January.

Scarlet Turnip White-Tip Radish

91. Scarlet Turnip White-Tip Radish. Nature almost exhausted itself in making this beautiful radish to ornament the private table and embellish the market stall. It has been brought to our market two weeks after planting, and always is a very early crop for frames and for open ground culture. Some gardeners use it in 100-pound lots. It is annually grown more and more, and in demand everywhere. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 85 cts.**

208. French Breakfast. Elongated olive-shaped roots; color bright carmine with base of root and top root clear white. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 85 cts.**

316. Crimson Giant. This new radish is an entirely new type and differs radically from all the varieties hitherto in cultivation, in so far as its roots attain more than double the size of those of other turnip varieties, without getting pithy or hollow. This giant radish develops roots of 6 to 7 inches in circumference and over an ounce in weight, their pure white flesh remaining firm and crisp and of the mildest flavor, notwithstanding the extraordinary size and weight of the roots. The seed should be sown very thinly to permit full development of the roots. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb 85c.**

White Icicle Radish

Early Long Varieties

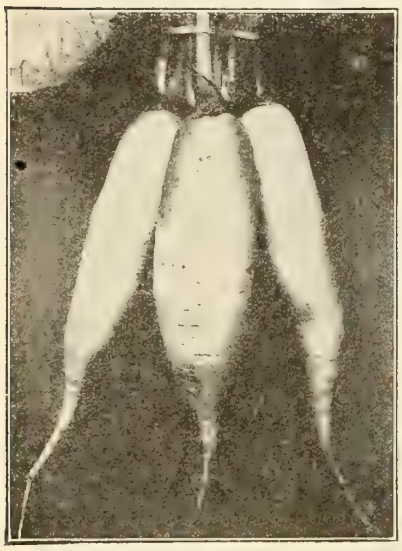
278. White Icicle or Lady Finger. (See illustration.) A long radish, transparent white, small top, allowing close planting, and is very crisp and brittle. The Radishes remain in good condition for a long time while growing, allowing continuous use from one planting. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 85 cts.**

95. Improved Early Long Scarlet Short Top. This improved strain of the Long Scarlet Radish is regarded by our most extensive gardeners to be the finest stock grown; for earliness, brilliancy of color and shortness of top, it cannot be surpassed, and it is the most profitable one to grow for an early crop. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 85 cts.**

RADISH

Prices Include Postage on Pkts. Ozs., ¼ Lbs. and Lbs.

Summer and Autumn Varieties



White Strasburg Radish

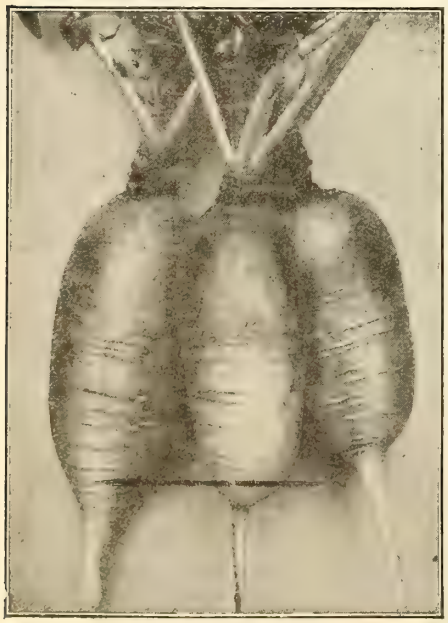
118. White Strasburg. Of handsome oblong shape, tapering beautifully to a point. Both skin and flesh are pure white, almost transparent, very tender and of a delightful, pungent taste. It can be pulled five weeks from time of sowing the seed, yet it will continue to grow without losing its fine quality, and remains in a tender condition longer than any other summer sort. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 85 cts.**

37. Golden Globe Summer. Of globular form and yellow color. A splendid addition to the radish family. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 90 cts.**

Winter Varieties

The seed should not be sown until about July 1st, and if the rows are kept well cultivated the roots continue to make growth until early in the fall.

78. White Chinese, or California Mammoth. As solid and juicy as an apple, pure white flesh and delicious flavor — a very choice variety. Should be sown in June and July, and is ready for use when 3 ins. long, and continues to grow until it is 6 ins. long. A first-class winter radish and always attracts favorable comment at the table or on the market stall. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 90 cts.**



China Rose Radish

190. Long Black Spanish. One of the latest and hardiest radishes. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 85 cts.**

157. China Rose, or Scarlet China. One of the most popular fall and winter sorts. Roots about 6 inches long. Skin smooth and of a bright rose color. Flesh very firm and crisp. **Pkt. 10 cts.; oz. 15 cts; ¼ lb. 25 cts.; lb. 85 cts.**

RHUBARB

One Ounce of Seed Produces 500 Plants

203. Victoria. Very familiarly known as the Pie Plant. The foot stalk is the portion that is used and is the first vegetable of the season from the garden; cultivated to a great extent and is indispensable wherever it is known. Sow the seed early in the spring in rows 1 foot apart on rich ground; the second year after planting they can be removed in autumn to the permanent spot allotted to them; plant the roots 2 feet apart each way in ground that is well enriched, at least 2 feet deep. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. $1.50. Roots, $1.00 per dozen—add 25 cts. per dozen if sent by mail; $7.50 per 100. Express collect.**

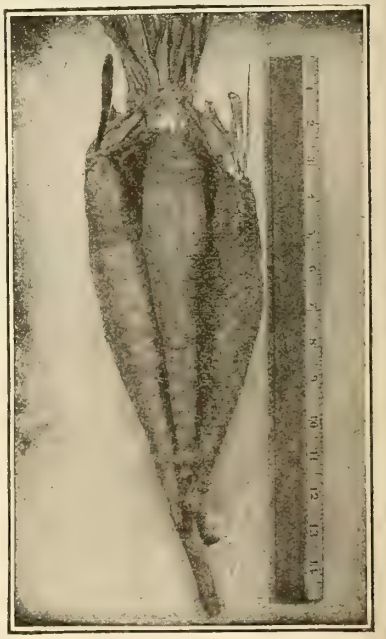
Rhubarb

SALSIFY, or OYSTER PLANT

One Ounce for 50 Feet of Drill; 10 Pounds to an Acre.

CULTURE. A fine vegetable, used the same as carrots or, having been boiled, made into cakes and fried like oysters, which they resemble in flavor. Cultivate the same as carrots and parsnips. It is hardy, can remain in the ground all winter for early spring use, but should be taken up before it starts growing; take up a supply for use during the winter. Succeeds best in a light, well-enriched, mellow soil. Sow early in the spring in drills 15 ins. apart, 1 inch deep; thin to 6 inches in the rows.

116. Sandwich Island Mammoth. One of the most delicious of winter vegetables, and also one of the most nutritious; the flavor is sweet and highly esteemed. This variety, where known, is entirely superseding the old type, as it produces roots nearly double the size and weight, and of equally good quality. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 60 cts.; lb. $2.00.**



Salsify, or Vegetable Oyster

291. Bolgiano's Great Giant. By far the largest, smoothest, most tender salsify ever sold to the trucker. Its delicious flavor and attractive appearance bring the buyers and holds their trade. It easily outsells every other salsify, and outyields all other varieties. Truckers who have tried the "Great Giant" say it is ideal. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 65 cts.; lb. $2.25.**

PLEASE REMEMBER!

"Best in Garden" Varieties, listed on pages 4, 5 and 6 of this catalog, will speak for themselves in your garden. Do not fail to include them in your order.

Write Us for Special Prices on Large Quantities of Radish Seed

Prices Include Postage on Pkts., Ozs., ¼ Lbs. and Lbs.

15 to 20 Lbs. in Drills an Acre

SPINACH

Two Ounces for 100 Feet of Drill

CULTURE. This is an important market gardener's crop, of easy culture. For spring and summer use sow either broadcast or in drills 1 foot apart and 1 inch deep as early as the ground can be worked, and every two weeks for a succession. For winter nnd early spring use sow in September in well-manured ground; cover with straw on the approach of severe cold weather. The ground cannot be too rich; the stronger the ground the more delicate and succulent will be the leaves.

604. Long Standing Bloomsdale Savoy. This new selection possesses extreme merit for the spring crop. While not quite so early as the old type Savoy, it may be harvested long after other types have grown to seed. The dark green, heavy foliage is as heavily savoyed as the best of other strains. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 20 cts.; lb. 45 cts., postpaid; 10 lbs. at 30 cts., 25 lbs. at 25 cts., 100 lbs. at 18 cts. lb.**

Selected Bloomsdale Spinach

602. Bolgiano's Selected Bloomsdale Savoy. A mammoth seeded selection that possesses a vitality and vigor of growth and far outyields any other variety. After many years of tireless effort at breeding we are pleased to be able to offer a limited quantity of this improvement on the old standby. So we would advise your early orders, for when our stock gives out, you will have to wait until our new crop is harvested. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 20 cts.; lb. 40 cts., postpaid; 10 lbs. at 22 cts, lb.; 25 lbs. at 20 cts. lb.; 50 lbs. at 18 cts.; 100 lbs. at 16 cts., not postpaid.**

99. Curled Long Season. A spinach that is curled like the old standard sort, the Bloomsdale Savoy Spinach, yet much more vigorous in growth, large and very handsome. It stands the hot summer heat, and yet has tender leaves. It is positively the best spinach to be grown in the spring and summer. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 20 cts.; lb. 45 cts.**

59. Norfolk Bloomsdale Curled Savoy, Blight Resistant. Its growth is rapid and leaf is properly curled, which gives it a very attractive appearance. It will grow on disease infested soil and produce a crop where others fail. It is the favorite with the largest growers. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 20 cts.; lb. 45 cts., postpaid; 10 lbs at 30 cts., 25 lbs. at 25 cts., 100 lbs. at 20 cts. lb., not postpaid.**

King George County, Va., March 26, 1930

F. W. Bolgiano & Co.

Gentlemen: Just a few lines to say I received the Cabbage Plants yesterday. The plants look real nice. Thank you.
(Signed) Mrs. MAGGIE COAKLEY.

55. King of Denmark. Especially desirable for sowing during April and May. Being a vigorous and rapid grower it is ready for use practically as early as any, and will remain in good eating condition fully two weeks longer than most sorts. The plants are dwarf and stocky with large, rounded, crumpled or blistered leaves, extra large in size and of a deep green. It fills a long-felt want, bridging the gap between the early Spring crop and the time when the New Zealand is ready. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 20 cts.; lb. 45 cts.**

600. Virofly Long-Standing. The foliage is heavy, the broad, dark green leaves are of the finest quality. It is in prime condition from two weeks to three weeks after other varieties of spinach have run to seed. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 20 cts.; lb. 40 cts.**

601. New Victoria Spinach. The foliage is heavy, the broad, dark green leaves are of the finest quality. It is in **10 cts.; oz. 15 cts.; ¼ lb. 20 cts.; lb. 40 cts.**

113. Spring Spinach. The most valuable for spring sowing. Its long-standing quality makes it the best for that purpose. The foliage is very attractive, heavy dark green, curled leaves, of the true Savoy appearance. It will stand from 2 to 3 weeks after other varieties of spinach have shot to seed. It can be planted all spring and summer with surety of making a crop. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 20 cts.; lb. 45 cts.**

212. New Zealand (Tetragonia expansa). This is very different in character of growth, and when started early in the spring the plants will resist hot weather and produce right up until hard freezing weather sets in an abundance of thick, fleshy succulent leaves. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts..**

70. Princess Juliana. **("Best in Garden" Variety, see page 4).** Holland is the home of Spinach and this, the finest variety of spinach yet introduced, was named in honor of Princess Juliana, the daughter of Holland's famous queen. The Princess Juliana is of the long season type with large, crumpled, rich, dark green leaves. It is valuable for either Spring or Autumn planting. It is absolutely without male plants which is the cause of its standing so long without shooting to seed. We believe that Princess Juliana Spinach will become the most popular variety on the market, not only for its rapid uniform growth and delicious and tempting flavor, but also because it remains in prime condition longer before bolting to seed than any other sort. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 20 cts.; lb. 45 cts., postpaid; 10 lbs. 30 cts. lb.; 25 lbs. at 25 cts. lb.; 100 lbs. 18 cts. lb., not postpaid.**

Princess Juliana Spinach

To the Acre: 2 to 3 lbs., Large Seeded kinds. Bush kinds, 3 to 4 lbs.

SQUASH

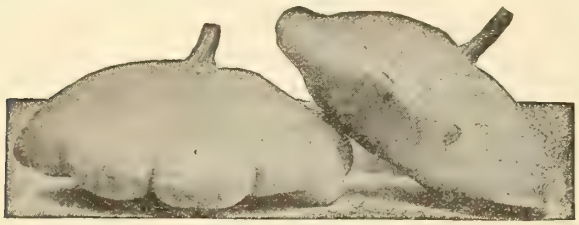
1 oz. Bush Varieties for 40 Hills. Large Seeded Varieties, 1 oz. 15 Hills.

Prices Include Postage on Pkts., Ozs., ¼ Lbs. and Lbs.

CULTURE. Sow in hills in the same manner and at the same time as cucumbers and melons, the bush varieties 3 to 4 feet apart, and the running kinds from 6 to 9 feet apart.

There are two kinds of squashes—one for summer use for cooking in the tender green state, and the other for storing for winter use.

Owing to the high cost of meat, one should arrange for a bountiful supply of both the Summer and Winter varieties, as the former may be fried and served like egg-plant and the latter are very palatable when stewed and served alone or made into pies.



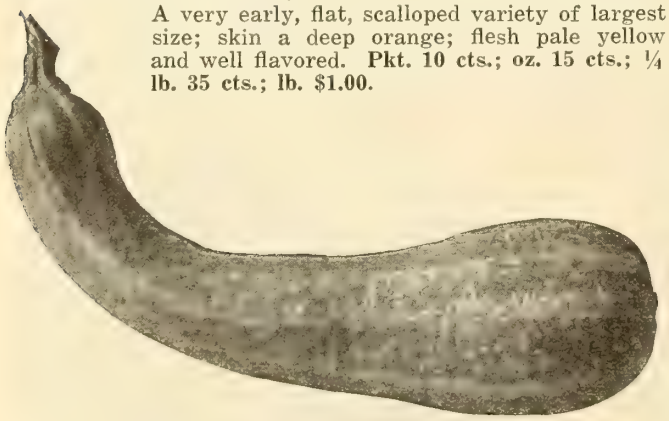
Farr's Benning White Bush Squash

82. Farr's Benning White Bush ("Best in Garden" Variety, see page 6). It is with great satisfaction that we can continue to offer this unrivaled Squash. For the past twenty-five years this stock has furnished the earliest squash to come on our market. In productiveness also it excels other varieties, being an exceptionally heavy cropper. The color is a beautiful green tinted white possessed by no other variety. The flavor is delicious, having few small seeds and is an excellent cooker. The strain which we offer is that originated by Mr. N. E. Farr and has been grown under our own supervision so as to constantly maintain and improve the quality. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. $1.50.**

159. Early Yellow Summer Crookneck. A desirable table sort, very early and productive—fruits when matured small crooknecked and covered with warty excrescences. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

111. Early White Bush Scalloped, or Patty Pan. This is the earliest; grown almost exclusively for the first crop. The rind is hard texture, which makes it suitable for shipping and it is exclusively grown in the South for that purpose. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

305. Golden Custard, or Yellow Bush Mammoth. A very early, flat, scalloped variety of largest size; skin a deep orange; flesh pale yellow and well flavored. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**



Cocozelle Squash

298. Italian Vegetable Marrow or Cocozelle. Fine grained flesh of excellent flavor. Fruits large, oblong shaped, dark green at first, but as they mature become marbled with yellow and lighter green stripes. The young fruits may be fried in oil. Fine grained, tender and of excellent flavor. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

Winter Squash

140. Golden Hubbard. Fruits of medium size, weighing from six to eight pounds and in shape are like the Hubbard, although in condition for use decidedly earlier. They are long keepers and can be held over in good condition for spring use. The shell is moderately warted, hard, strong and of a beautiful orange red color, except for a bit of olive green on the blossom end. The flesh is deep-orange, dry, fine grained and richly flavored. A very superior table variety. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

Boston Marrow Squash

237. Chicago Warted Hubbard. A superior strain of mammoth size with skin heavily warted. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

152. Hubbard. A superior variety and one of the best winter keepers; flesh bright orange-yellow, fine grained, very dry, sweet and rich flavored. Bakes very dry, equally as dry as the Sweet Potato. Our stock is the very best, and we don't hesitate to recommend it to the most critical planter. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

96. Boston Marrow. A splendid winter squash of good keeping qualities. Flesh bright orange, fine grain, and unsurpassed. It is oval-shaped, and thin skin of bright orange color. For pies it is equal to the best pumpkins. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

TOBACCO

CULTURE. One ounce of tobacco produces at least 10,000 plants if sown properly. It is advisable to sow as early as possible, the usual custom being to make a large fire over the place intended for the seed-bed, in order to destroy weed seeds. The ground is put in the finest possible condition, the seed sown broadcast on the surface and pressed down firmly with a plank or the back of a spade, after which the bed must be protected by cottons or covering. When seedlings get 5 or 6 inches high, they are transplanted in rows 4 feet apart, with 3 feet between the plants. Cultivate thoroughly.

255. CONNECTICUT SEED LEAF. Well-known standard variety. **Pkt. 10 cts.; oz. 45 cts.; ¼ lb. $1.50; lb. $5.50.**

307. HAVANA. Grown from imported seed. **Pkt. 10 cts.; oz. 45 cts.; ¼ lb. $1.50; lb. $5.50.**

292. IMPROVED WHITE BURLEY. A most popular variety. **Pkt. 10 cts.; oz. 40 cts.; ¼ lb. $1.25; lb. $4.50.**

Charleston County, S. C.,
November 18, 1930.

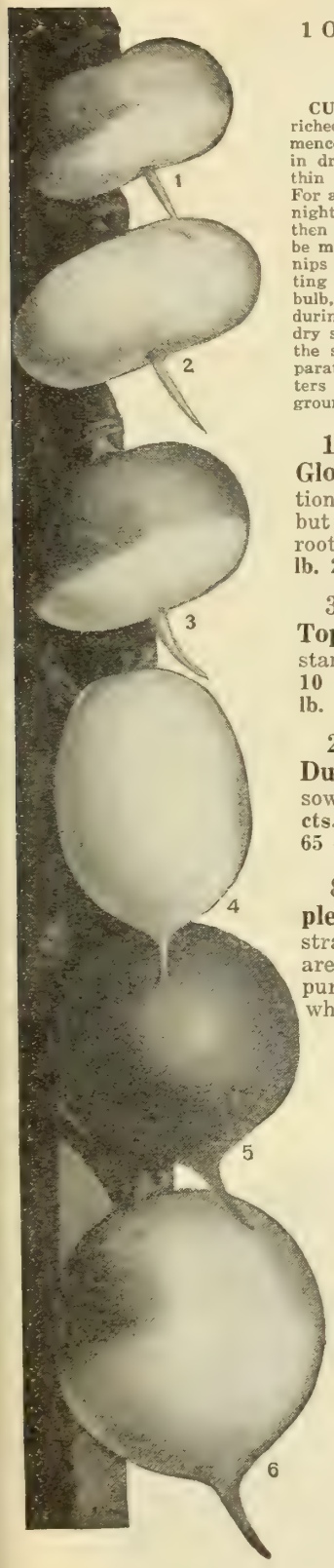
F. W. Bolgiano & Co.

I made my first shipment of cabbage today. It would do you good to see your Big Winner Wakefield Cabbage. Will ship more of them the latter part of the week.

(Signed) JOSEPH S. HART.

1 Oz. for 200 Feet Drill. **TURNIPS** 2 Lbs. for the Acre.

Prices Include Postage on Pkts., Ozs., ¼ Lbs. and Lbs.



1. Early Milan Purple Top.
2. Early White Flat Dutch.
3. Purple Top Strap Leaf.
4. White Egg.
5. Golden Ball.
6. Purple Top White Globe.

CULTURE. They do best in highly enriched, light, sandy or gravelly soils. Commence sowing the earliest varieties in April in drills from 12 to 15 inches apart, and thin out early to 6 or 9 inches in rows. For a succession sow at intervals of a fortnight until the last week in July, from then until the end of August sowing may be made for the fall and main crop. Turnips may be preserved until spring by cutting off the tops about 1 inch from the bulb, storing in the cellar or cold shed during the winter, covering the roots with dry sand. They should be harvested before the severe frost sets in, for, though comparatively hardy, few will survive the winters of the Northern States in the open ground.

110. Purple Top White Globe. Our stock is the perfection of Turnips. It has small tops, but large, well-formed, handsome roots. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 20 cts.; lb. 65 cts.**

322. Early Red, or Purple Top Strap-Leaf. A well-known standard, popular, early sort. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 20 cts.; lb. 65 cts.**

202. Early White Flat Dutch. Very popular for spring sowing; fine for market. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 20 cts.; lb. 65 cts.**

84. Extra Early Milan Purple Top. Tops are very small, strap-leaf, and grow erect. Roots are small and flat; skin purple to pure white below. Flesh is clear white. It's a beauty. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 90 cts.**

179. Extra Early White Milan. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 90 cts.**

62. White Egg. Is very handsome; pure white; excellent for early or late. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 20 cts.; lb. 65 cts.**

177. Golden Ball, or Orange Jelly. One of the sweetest flesh yellow Turnips yet introduced; not of large size, but firm, hard, and of excellent flavor; good keeper and superior table variety; of bright golden orange color. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 20 cts.; lb. 65 cts.**

119. Yellow, or Amber Globe. Vigorous grower; fine keeper. A very desirable variety, attaining large size. The roots are rather oval-shaped, flesh orange-yellow. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 20 cts.; lb. 65 cts.**

180. Long Cow Horn, or White French. A heavy cropper, best for stockmen. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 20 cts.; lb. 65 cts.**

200. Large White Norfolk. It is allowed to stand out during the winter in the South. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 20 cts.; lb. 65 cts.**

176. Seven Top. Very hardy; grown for leaves, which are used for salads. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 20 cts.; lb. 60 cts.**

232. Pomeranian White Globe. Good either for table or stock; very productive. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 20 cts.; lb. 65 cts.**

RUTABAGA

136. Ashton Market. It is a market gardener's stock developed by market gardeners. It has been most successfully grown by the market gardeners in and around Washington for the past several years. It is not a large type, more to the medium. It is an early sort, regular in shape, even in size, globe shaped and with very few exceptions neckless. It will pay you to give it a trial. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 40 cts.; lb. $1.50.**

148. Long Island Special. This selection produces little or almost no neck at all, making it an ideal for the trucker. Excellent variety for table use. Flesh, golden; very sweet, not the least bit stringy or tough. Far superior to any of the other varieties, and much nicer than the Swede Turnip. Solid and crisp until spring. Never gets pithy. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 20 cts.; lb. 65 cts.**

42. Tankard, or Elephant. A yellow fleshed sort, having very large, tankard shaped roots with relatively small neck and tops. The color is purplish-red above ground, yellow beneath. The flesh is very solid, fine grained and sweet. Sometimes sold as Elephant or Jumbo. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 20 cts.; lb. 65 cts.**

HERBS

All gardens should have some space devoted to the more important Pot Herbs. A few varieties are grown solely for the seed produced, which is used for flavoring cakes, bread, confectionery, etc. The young stems and leaves of the plants used for flavoring may be gathered in the green state, or in the fall the entire plant may be pulled up and carefully placed in a dry room, and thus assure a winter's supply.

	Pkt.	Oz.	¼ Lb.	Lb.
286. ANISE. Seed used for flavor	10c	25c	50c	$1.50
254. BASIL SWEET. Culinary herb used for flavoring soups, etc.	10c	25c	85c	3.00
287. CARAWAY. Cultivated for its seeds	10c	20c	50c	1.50
265. CATNIP. Leaves are used for seasoning	10c	55c	1.65	5.50
288. CORIANDER. Seeds are used for flavoring	10c	15c	40c	1.50
262. DILL. Mammoth. For sowing. Seeds used for flavoring vinegar	10c	15c	40c	1.50
256. FENNELL FLORENCE. Grown for the enlarged leaf stalks	10c	25c	85c	3.00
294. FENNELL SWEET. Leaves used in sauces	10c	20c	75c	2.50
279. LAVENDER. True. For oil and distilled water	10c	30c	1.00	3.50
258. MARJORAM. Sweet. Is used for seasoning	10c	35c	1.00	3.50
280. SAGE. Broad-leaf. A culinary herb; also used in medicine	10c	35c	1.00	3.50
268. SUMMER SAVORY	10c	25c	85c	3.00
267. THYME. Broad-leaved English	10c	50c	1.65	6.00

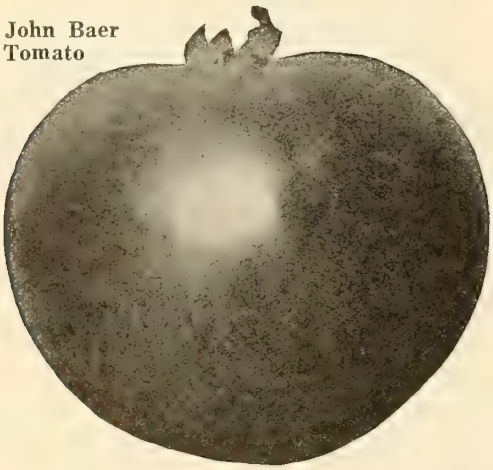
We Prepay Postage on All Tomato Seed.

TOMATO

6 to 8 Ozs. to an Acre; 1 Oz. to 1,500 Plants.

CULTURE. The seed may be started in hotbed in March, or sufficient plants for family use can be grown in pots or boxes indoors with very little trouble. Be particular to give plants the benefit of fresh air and sun whenever judicious, for the purpose of hardening them, and cover with mats when necessary to prevent them from frosting. The two extremes of heat and cold are equally injurious. it is customary with the best gardeners to remove the plants from hotbeds to the cold frames, allowing a distance of several inches between the plants. In May select and prepare the soil and set the plants 3 feet each way. Hoe and draw earth to the stems. When the plants crowd, the fruit will be small. Have the soil very rich. For general crop sow from the middle of April or during May, in the open air, selecting good soil in a location much exposed to the sun and sheltered by a hill or woods on the north.

John Baer Tomato



Red Tomatoes

257. Break O'Day Tomato. (Best in Garden Variety. See page 5.) The most recent perfection in tomatoes by Dr. F. J. Pritchard. An extra early perfect globe hybridized from Marglobe and other earlier tomatoes. Almost as early as Earliana. All the wilt and disease resistance qualities of Marglobe but at least two weeks earlier. Good shipper. Beautiful red. Stands hot and dry weather. No acid. Deliciously sweet flavor. **Pkt. 25 cts.; ½ oz. $1.10; oz. $2.00; ¼ lb. $7.50, postpaid.**

77. The "President" Tomato. In color on front cover. ("Best in Garden" Variety, see page 5.) The "President" Tomato is one of the handsomest, most uniform in shape, color and size. Beautiful bright red color; mild, delicious flavor. Produces very few seeds; ripens earlier than many varieties planted for early use; a marvelous yielder, producing vines that are fairly loaded with fruit. They keep vigorous and green until frost and then are full of fruit. **Pkt. 25 cts. and 50 cts.; ½ oz. $1.00; 1 oz. $1.75; ¼ lb. $6.00; lb. $20.00, postpaid.**

244. The Arlington Strain of Marglobe Tomato. Strong, healthy, disease resistant vines which continue to thrive and produce fruit long after other varieties have gone. Perfectly globe shaped, of a beautiful red color. Second early main crop. Delicious flavor, free from acid; very meaty; good shipper. Excellent for the home garden. **Pkt. 10 cts. and 25 cts.; oz. 45 cts.; ¼ lb. $1.35; lb. $5.00, postpaid.**

275. The Bolgiano Tomato. Without doubt the best extremely early type. Its fruit is not only smoother than Earliana but is produced two weeks earlier. The solid mass of red meaty flesh is exceedingly sweet and tender, but protected by a tough skin which recommends it for shipping. **Pkt. 10 cts. and 25 cts.; oz. 35 cts.; ¼ lb. $1.15; lb. $4.00.**

173. I. X. L. Bolgiano's Extremely Early Tomato. Early, largest, most prolific. **Pkt. 10 cts.; oz. 35 cts.; ¼ lb. $1.00; lb. $3.50.**

171. Bolgiano's Capitol Tomato. This very early deep red tomato is an exceptionally heavy producer of perfect fruit. It should have a place in every garden whether at home or for market use. **Pkt. 10 cts.; oz. 35 cts.; ¼ lb. $1.15; lb. $4.00.**

249. The Washington Tomato. A marvelous wilt-resistant tomato. A heavy yielding main cropper, perfectly smooth, solid, rich red and meaty. **Pkt. 10 cts. and 25 cts.; oz. 40 cts.; ¼ lb. $1.25; lb. $4.50, postpaid.**

335. John Baer. Here is a general favorite for the home garden. Although small, the fruit is more perfectly round than any other variety. Being absolutely coreless, their flesh is solid meat throughout, having no waste when slicing or canning. The flavor is mild and sweet. **Pkt. 10 cts.; oz. 30 cts.; ¼ lb. $1.00; lb. $3.50.**

155. Bonny Best. Here is an old favorite that has been continuously selected for earliness, solidity, smoothness, and evenness of ripening. It is a vigorous grower producing bright red fruit throughout the season. The heavy foliage is a good protection against sunscald. **Pkt. 10 cts.; oz. 35 cts.; ¼ lb. $1.00; lb. $3.50.**

138. Earliana Improved. This is Bolgiano's special strain, developed to retain the earliness for which this tomato is famous and to produce heavier crops of more even, smoother fruit than the old type. It can always be depended on to produce a crop at the season when crops pay best. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 85 cts.; lb. $3.00.**

340. Chalk's Early Jewel. One of the valuable early varieties with vigorous vines producing many deep scarlet, smooth fruits of large size and excellent quality which are borne continually through a long season. On account of its large size, splendid quality and productiveness, it is very satisfactory for home or market gardens. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 85 cts.; lb. $3.00.**

178. Livingston's Favorite. As the name implies, this variety has long been a favorite with canners and the home trade. Favorite is one of the best shaped, large, bright red tomatoes. The fruit ripens evenly, is always smooth and holds its size to the end of the season. Flesh is of good flavor and very solid. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 85 cts.; lb. $3.00.**

Florida Special Tomato

TOMATO We Prepay Postage on All Tomato Seed.

61. Stone. This is an old favorite for main crop tomatoes. Our strain is much finer than that first introduced, being very large, solid, without core and not subject to cracking. It is a good keeper, not subject to rot and a good canner. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 80 cts.; lb. $2.75.**

72. Bolgiano's Greater Baltimore. Being a deeper, more blocky tomato than Stone, Greater Baltimore has become a universal canning favorite. It produces an unusually heavy tonnage per acre, having fine shaped fruit, very heavy, firm and meaty. For main and late crops it is also popular among home and market gardeners. **Pkt. 10 cts.; oz. 30 cts.; ¼ lb. $1.00; lb. $3.50.**

195. Bolgiano's "Florida Special" Tomato. Not a single grower of Tomatoes in Florida or in any locality where blight has injured the tomato crops, should go through this season without trying this most excellent new tomato. We call it "Florida Special," for it has been most carefully bred up to resist the ravages of blight which has been so discouraging to our Florida customers. It is red in color, large in size, fine flavored, firm and meaty, very prolific, and about as early as the Earliana and a most excellent shipper. **Pkt. 10 cts.; oz. 35 cts.; ¼ lb. $1.15; lb. $4.00.**

Pink Tomatoes

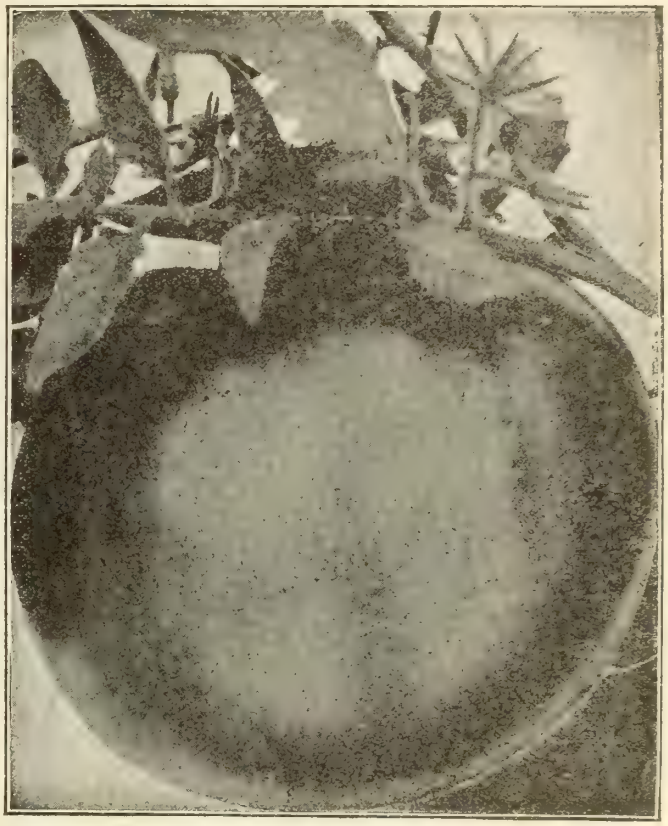
44. June Pink. An extremely early pink variety often called the Pink Earliana. For those who prefer the pink type this will produce earlier than other pink sorts. **Pkt. 10 cts.; oz. 40 cts.; ¼ lb. $1.25; lb. $4.50.**

277. Livingston's Globe. This variety is very popular among those in the Southern States who ship green wrapped tomatoes, for it is very firm and will stand long distance hauling well. Second early in season and very productive. **Pkt. 10 cts.; oz. 35 cts.; ¼ lb. $1.25; lb. $4.00.**

47. Bolgiano's Grand. Is quite generally favored by local market gardeners. It produces an abundance of large, smooth, deep pink fruits, that sell well in competition with other types. **Pkt. 10 cts.; oz. 35 cts.; ¼ lb. $1.00; lb. $3.50.**

Improved Livingston's Globe Tomato

FOR MANY YEARS TOMATO SEED HAS BEEN OUR LEADING SPECIALTY



Greater Baltimore Tomato

90. Bolgiano's Prize-Taker. Its glossy purplish-pink color, combined with size, weight and productiveness make it profitable to the market gardener. It can be picked before it is ripe and will ripen finely, making it one of the best shippers. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 85 cts.; lb. $3.00.**

185. Ponderosa. Being largest tomato that grows, it is decidedly a family favorite. It is less seedy than any other variety and of mild flavor. Quite often called the "Beefsteak." **Pkt. 10 cts.; oz. 50 cts.; ¼ lb. $1.65; lb. $6.00.**

52. Livingston's Beauty. Fine, large, purplish pink. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 85 cts.; lb. $3.00.**

183. Trucker's Favorite. A very large, purple tomato, free from crack or rot. **Pkt. 10 cts.; oz. 35 cts.; ¼ lb. $1.00; lb. $3.50.**

151. Acme. Very early; good size; purple in color; good bearer. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 85 cts.; lb. $3.00.**

163. Dwarf Champion. Dwarf habit, early, prolific; of a pink-purplish color. **Pkt. 10 cts.; oz. 35 cts.; ¼ lb. $1.25; lb. $4.00.**

Yellow Tomatoes

276. Golden Queen. Large, solid, bright yellow; favorite with home gardeners; delicious flavor. **Pkt. 10 cts.; oz. 40 cts.; ¼ lb. $1.25; lb $4.50.**

164. Pear-Shaped Yellow. Bright yellow, used for preserves. **Pkt. 10 cts.; oz. 45 cts.; ¼ lb. $1.35; lb. $5.00.**

196. Plum-Shaped Yellow. Bright yellow, used for preserves. **Pkt. 10 cts.; oz. 45 cts.; ¼ lb. $1.35; lb. $5.00.**

330. Red Cherry. Little fruits; bright red. **Pkt. 10 cts.; oz. 45 cts.; ¼ lb. $1.35; lb. $5.00.**

Bolgiano's "Capitol Brand"

Grass, Clover and Forage Seed

THE VERY BEST HIGHEST STANDARD QUALITY

FOR PRICES, SEE PINK SHEET INCLOSED

A Field of Alfalfa Grown from Bolgiano's "Capitol Brand" Alfalfa Seed

Alfalfa, or Lucerne (Medicago sativa). Requires deep, rich, well-drained soil. The taproot descends often to a depth of 10 to 15 feet in loose soil. It is, consequently, capable of resisting great droughts. It should be sown alone (about same time as oats are sown in this section) in thoroughly prepared, deeply plowed soil, at the rate of 20 to 25 pounds to the acre. It may also be sown as late as August and up to the middle of September in more southerly localities. The crop should be cut when the plant is coming into bloom. In suitable soil it is perennial, and several crops may be cut every year. Height, 1 to 3 feet.

Mammoth, or Sapling (Trifolium pratense perenne). Is similar to Red Clover in appearance of seeds and habits of growth, the difference being larger growth and later maturing. It is often used for hog pastures. As a soil improver to plow under it is considered superior on acount of its extra growth. It is a good variety for thin soils or to seed with Timothy, Meadow Fescue, Herd's Grass or Red Top, as it matures about the same time as these grasses. Sow 10 to 12 lbs. to the acre when sown alone. When sown with Timothy use 6 lbs. Sapling Clover and 8 lbs. Timothy to the acre.

Crimson or Scarlet (Trifolium incarnatum). New Crop. The Great Nitrogen Gatherer. The best crop for hay, soiling and green manuring. Fall, Winter and Spring pasturing. Crimson Clover furnishes an abundance of nutritive forage at seasons when pastures are dead. It is an unfailing supply of manure. It solves the problem of cheap manuring. It is a great nitrogen gatherer and economizer in the use of fertilizers. Valuable for planting in orchards, berry patches and for sowing among cultivated crops, such as Cabbage, Corn, Tomatoes, Cotton, Tobacco. Improves poor land, restores to fertility those that have been worn down by excessive cropping. May be planted in the Spring, Summer or Fall. Splendid for reseeding Red Clover that has been Winter killed. Sow 15 lbs. to the acre.

Alsike, or Hybrid (Trifolium hybridum). Alsike Clover grows thicker and is finer in growth than Red Clover, making better hay and probably more and better grazing. It is also hardier, resisting extremes of heat and drought and also severely cold weather to a remarkable extent. It is perennial and does not Winter kill. It succeeds on a variety of soils, light upland loamy lands as well as stiff bottom lands. It will do better on moist land than any other Clover. It is surer to give a good stand and make good crops than either the Red or Mammoth Clover, and in sections where these Clovers have been uncertain Alsike is superseding them altogether. When sown with other grasses it forms a quick undergrowth and greatly increases the yield. Sow 8 pounds to the acre.

Japan Clover. On waste land or poor worn-out soils it will furnish excellent, nutritious pasture. Sow at the rate of 10 pounds per acre in March or April.

White Clover (Trifolium repens). Some White Clover is usually included in Lawn Grass Mixtures. It makes an excellent turf that stands constant trampling. It is of dwarf habit, spreads rapidly and is very hardy. It is valuable in permanent pastures, being sweet and nutritious. Sow in Spring. In mixtures, 1 or 2 pounds; if alone, 8 or 10 pounds to the acre.

White Sweet Clover (Melilotus alba). Valuable sort for soiling, ensilage and bees. Grows from 3 to 5 feet high; sown in rich soil, may be cut three times; lasts for years if cut before flowering. Ten pounds to the acre.

Medium Red, or June (Trifolium pratense). This is regarded as the most valuable of the Clover family and is largely used for pastures and hay. Clover adds greatly to the fertility of the land on which it is grown. It does not exhaust the soil, but enriches it. It makes two crops each year. The first is usually cut when it is in blossom for hay. The last crop may be harvested for seed, cut for hay or plowed under to add fertility to the soil. For hay, it is particularly well adapted for sowing with Orchard grass and Timothy, as it ripens at the same time, and sowing these three grasses together will give larger yields and better quality hay than sowing either alone. It is also largely sown with other grasses, both for hay and pasturage. Sow in Spring or Fall, and if no other Grasses are used, at the rate of 8 to 12 pounds per acre; more is required on old, stiff soils than on new and lighter ones.

Poa Trivialis (Rough Stalked Meadow Grass). Recommended for shady places. It is a fine leafed, even turf-forming grass, and used mostly for fine lawns, although it is valuable as a bottom grass in pasture mixtures.

Kentucky Blue Grass (Poa pratensis). This grass is not only the best for lawn purposes, but makes the sweetest and most nutritious pasture for all kinds of stock. Kentucky has long been famous for its high bred horses and its Blue Grass pastures. It is now possible to establish on most any farm a Blue Grass pasture of greenest verdure which will give very profitable returns. This Grass is the first to start up in the Spring and remains green until snow flies in the Fall. It is very hardy and is uninjured by cold or dry weather, hot sun or trampling of hoofs. The roots are so thick and stout that they form a tough sod. Blue Grass requires about two years to get well started and for that reason it is often sown in mixture with other Grasses. It will do well on almost any land, but does best on well drained clay land. Sow in the Fall or Spring at the rate of two or three bushels per acre.

Bermuda Grass. Especially adapted for golf fairways and summer greens in the south where other grasses will not grow. Withstands drought and scorching Summer Sun better than any other variety. Sow it at the rate of 5 to 6 pounds to acre.

Timothy (Phleum pratense). The most valuable of all grasses for hay, especially in the North. Thrives best on moist, loamy soils of medium tenacity. It should be cut just when the blossom falls. Sow early in the spring or fall, at the rate of 12 pounds per acre with Clover, 10 lbs. Timothy and 6 lbs. Clover. A splendid mixture is 8 lbs. Timothy, 6 lbs. Clover (either Mammoth Clover or Alsike Clover preferred, as they mature at the same time as Timothy), 6 lbs. Fancy Red Top, ½ bushel Meadow Fescue. Together these will produce most excellent hay, also nutritious and abundant pasture in good loamy clay or low ground soils.

Red Top (Agrostis vulgaris). In Pennsylvania and States farther south this is known as Herd's Grass, a name applied in New England and New York to Timothy. It is a good, permanent grass, standing our climate well, and makes a good pasture when grazed close. Is valuable for low, wet meadows, producing a large return in good hay. When sown alone, use about 12 pounds of the fancy seed per acre. Sow in spring or fall.

Orchard Grass (Dactylis glomerata). Desirable on account of its quick growth and valuable aftermath. It is ready for grazing in spring two weeks sooner than most grasses, and when fed off is again ready for grazing in a week, and will continue green when other grasses are withered by dry weather. It is palatable and nutritious and stock eat it greedily when green. A tendency to grow in tufts unfits it for lawns. It does better if sown with clover, and as it ripens at the same time, the mixed hay is of the best quality. If sown alone, about 28 pounds are required per acre; if sown with clover, half that quantity. Perennial and will last for years.

Sudan Grass It is a tall annual Grass reaching a height of 7 to 9 feet when planted in rows and allowed to mature for seed crop; broadcasted and cut in the bloom for hay, about 4 feet. It is easily cured and handled as hay crop. Stock of all kinds eat it readily and will leave any other hay for it. The food value is second only to Alfalfa. Should not be planted until the soil becomes warm in the Spring. Two to four cuttings per year can be obtained when sown broadcast for hay; the number of cuttings secured depends upon the length of the season and the moisture. The first crop will mature in from 50 to 60 days, and the second crop is ready for harvesting in from 20 to 30 days. Three tons of cured hay per cutting per acre has been secured and three cuttings made. It is a great drought resister and is particularly adapted to semi-arid regions. It is an annual and must be seeded each Spring. When seeded in rows 18 to 30 inches apart, drill 4 to 6 pounds. When sown, 16 to 24 pounds per acre.

Tall Meadow Oat Grass Sown alone use 2 to 3 bushels to the acre either spring or fall. Sown in mixture, use 1 bushel (11 pounds) Tall Meadow Oats Grass. 1 bushel (14 pounds) Orchard Grass and 8 pounds Red Clover. It gives the very best results when sown with clover.

Perennial Rye Grass (Lolium perenne). A very valuable variety for permanent pasture. Succeeds well on almost any soil, but is particularly adapted to moderately moist or irrigated lands. Sow 30 to 40 pounds per acre in spring.

Italian Rye Grass Yields three or four cuttings a year of most nutritious hay; a very valuable grass, particularly adapted for rich, loamy soils or low grounds; does better in damp situations than other grasses. Recommended principally for fall seeding. Sow 30 to 35 pounds to the acre.

Creeping Bent Grass Similar to red top or Herd's Grass and considered as good, if not better, than that variety. Distinctive on account of its compact, rooting stems which hold in the soil in a tenacious way. Of rapid growth and spreading habit, forming a strong, durable turf. Fine for lawns and putting greens because of its fine texture. If sowing alone use 50 pounds to the acre.

Sheep Fescue Lands that are worthless for growing other fine grazing grasses can be made of value by growing sheep fescue, for it will grow on thin, dry, sandy and rocky soils where few grasses will live, and will stand any amount of drought. Does not grow so tall and does not have to be turned so often. Used in the rough on golf courses (14 lbs. to the bushel).

Red or Creeping Fescue. A creeping rooted variety forming a close and durable turf and particularly suited for dry, sandy soil. Resists drought and thrives on very poor soils, gravelly banks and exposed hillsides. Valuable for shady lawns and for golf courses. Sow 30 pounds to the acre if used alone.

Bolgiano's "Capitol Brand" Timothy Seed

Hairy Vetch (Vicia villosa) It is very hardy, is valuable as a winter cover crop to prevent leaching, and for forage and fertilizing purposes. It is an annual. It succeeds well on nearly all soils and thrives surprisingly on poor, light land and will endure extremes of drought, heat and cold. It improves the soil, being a great nitrogen gatherer. The roots bear innumerable nodules or nitrogen gathering bacteria. These take the nitrogen from the air and restore it to the soil, where it is so much needed. It belongs to the Pea family, but the vines are much longer and the foliage is more abundant. It may be sown either in the spring or fall with about half a bushel of Rye or Oats for support. It grows rapidly and is particularly valuable in sections where Clover does not thrive. In the North it remains green all winter under the snow, and it is invaluable for early pasturing. 50 to 60 pounds of seed required to the acre.

Spring Vetches or Tares Closely associated with Peas in character. Used for the same purpose as Hairy Vetch, but must be planted in the spring wherever the winters are severe, as this variety is not so hardy as Hairy Vetch. Highly valuable for soiling or for green manuring. Sometimes grown with Oats for mowing and feeding to stock. Sow alone 70 to 90 pounds per acre, and if with Oats, 60 pounds of Vetch and 40 pounds of Oats.

Dwarf Essex Rape It is an annual, bearing a close resemblance in leaf and stalk to the Kale, but both leaves and stalks are more numerous in the Rape plant, and of a taller habit of growth. It is a pasture plant which may be eaten off by any kind of live stock. But is is pre-eminently fitted to furnish pasture for sheep, cattle and swine. Under favorable conditions Rape is ready for pasturing sheep or cattle within six weeks from the time of sowing.

Tennessee Cultivated Golden Millet. This variety is extensively used throughout the United States, as they find it more nutritious in value for feeding. It is grown at the same time and at the same rate per acre as the common Millet. Growers once using the Tennessee Cultivated Millet will never plant any other kind. Grows more vigorous, gives a much larger yield of hay.

Bolgiano's Permanent Pasture Mixtures

These mixtures are composed of only the best strong germinating seeds and are sure to give satisfaction.

For Uplands. A special mixture of the best grasses and clovers for establishing a permanent pasture.

For Lowlands. A mixture of grasses and clovers adapted for moist or slightly sour lowlands.

Burt or 90-Day Oats The earliest, most prolific and surest cropping of Spring Oats; far superior to an ordinary Spring or rust-proof Oats for Spring seeding. Wherever this Oat is grown it comes into great favor.

Virginia Gray Winter or Turf Oats When sown early, before the middle of March, these Oats will far outyield the ordinary Spring Oats, making a larger crop and heavier grain.

Bolgiano's "Capitol Brand" Field Corn

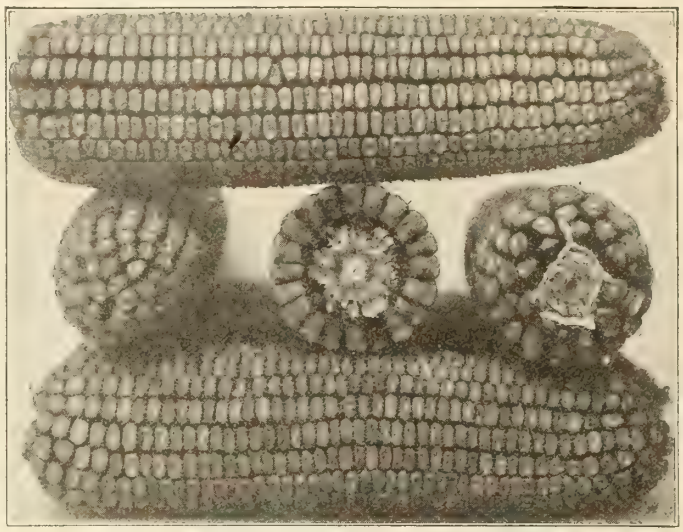
FOR PRICES, SEE PINK SHEET INCLOSED

Bluemont, Va.,
Nov. 7.

F. W. Bolgiano & Co.,

Dear Sir: I must say that I had the finest crops from your seed any one ever saw. The Ensilage Corn could not be better, 18 acres made over 300-ton of ensilage, besides I had fed some before cutting.

A. J. KELLEY.



Bolgiano's Famous "Capitol Brand" Field Corn

YELLOW CORN

Bolgiano's Prosperity Corn. If you really want to grow a bumper crop of beautiful Yellow Dent Corn this year, just take our advice and plant Bolgiano's "Prosperity" Corn. The fine, large, stately ears are 12 to 14 inches long, 8 to 11 inches in circumference and have from 20 to 24 uniform rows of long, large kernels, well developed over tip and butt. It is a luxuriant grower, from 12 to 15 feet high, and if planted during the first half of May, will mature before the 20th of September. For more than a score of years "Prosperity Corn" has been under the most watchful breeding and selection.

Reid's Yellow Dent This is a splendid Yellow Dent variety with 18 to 24 rows of kernels on an ear. The cob is small and red and the grains are very close together, so there is scarcely any room between the rows. Reid's Yellow Dent has been awarded more prizes at Corn shows than any other variety except "Prosperity." The ears average 8 to 10 inches long. Matures 90 to 100 days.

BOLGIANO'S "CAPITOL BRAND" FIELD CORN, is grown specially for our trade in the best producing sections and will please and make you a sure crop. Our stock is all hand shelled and graded. Only good sound ears are taken from healthy stalks.

White Kaffir Corn Makes nutritious food for stock and poultry. Kaffir Corn in the last few years has been generally sown with Cow Peas, broadcast, at the rate of a peck of Kaffir Corn to a bushel of Cow Peas per acre.

WHITE CORN

Boone County White (Pedigreed Stock) A pure white corn on a white cob. Very deep grain, not overly wide. Rows generally 20, sometimes 22 to 24. A perfect shape. That is the striking thing about it—big, long ears, beautiful shape, perfect butts and tips, and deep grains. We believe this to be the best all-around White Corn in existence. It is a heavy yielder; has small cob and produces good-sized fodder, free from barren stalks. Matures in 110 days.

"Hickory King" White Corn So large are the grains and so small the cob that on an ear broken in half a single grain will almost cover the cob section. Of a strong growth, the stalks take a firm hold in the ground and stand upright. It yields splendid crops on light soils, and is undoubtedly the best and most productive White Field Corn for the South.

Eureka Ensilage Corn The very best Silo Corn on the market. For many years we have used great care in the selection of our seed, which will give a large amount of fodder, 3 or 4 long, slender ears of Corn to the stalk. Grows to a height of 15 feet. Can be sown in hills or planted in checked rows. It is a very rapid grower and can be grown throughout the United States with wonderful success. Growers should not miss planting this special variety of ours for their Silo Corn.

Evergreen Broom Corn, Improved An excellent variety; is a good length, fine, straight and has a green appearance when ripe, and sells at the highest market price. Sow in drills 3 feet apart and thin out to 3 inches. Sow 5 pounds per acre.

Sorghum Furnishes a large yield of most nutritious forage, which can be fed either green or cured, and will yield 2 or 3 cuttings a year, stooling out thicker each time it is cut. It grows 10 to 12 feet high. Sow broadcast for forage at the rate of 1 to 1¾ bushels to acre. When sowing in drills, sow at the rate of 1 peck per acre in drills 3½ to 4 feet apart.

Bolgiano's "Capitol Brand" Cow Peas and Soja Beans

The Soil Improvers—Make Poor Land Rich—A Splendid Hay Crop

Whippoorwill Cow Peas An early variety; grows upright, vigorous, and the crop is easy to harvest. We sell more of this variety than any other, and consider it the best for general purposes.

Black Cow Peas Seed medium sized and black. Vines trailing. Seed matures early.

Clay Peas Seeds medium sized and cream colored. Vines grow tall and erect. Seed matures medium late.

Black Eye Vines erect. Seeds medium sized and white; matures medium late.

Groit A fine early maturing Cow Pea somewhat resembling New Era in appearance and size of seed, but makes a larger growth. Very highly recommended as an early maturing, large yielding variety.

Mixed Cow Peas We strongly recommend sowing Mixed Cow Peas as a soil improving crop. The upright growing varieties holding up the vining varieties, they will make a much better growth and give more satisfactory results.

Canada Field Peas Here is a crop which is not only profitable, but will return to the land the much needed nitrogen. Peas are second only to Clover in their soil enriching properties and can be grown under almost any condition of soil or climate. There is always a ready market for Peas, or they can be profitably ground and fed to the stock. The vines make rich, nutritious hay.

Mammoth Yellow Soja The largest growing and most popular Soja Bean for forage purposes, although a little later in maturing than other varieties.

Tar-Heel or Mammoth Black Soja Slightly earlier than Mammoth yellow and produces about same amount of forage.

Wilson Black Soja Very small seed, matures in about ninety days, can be grown in the Northern States where an early variety is desired.

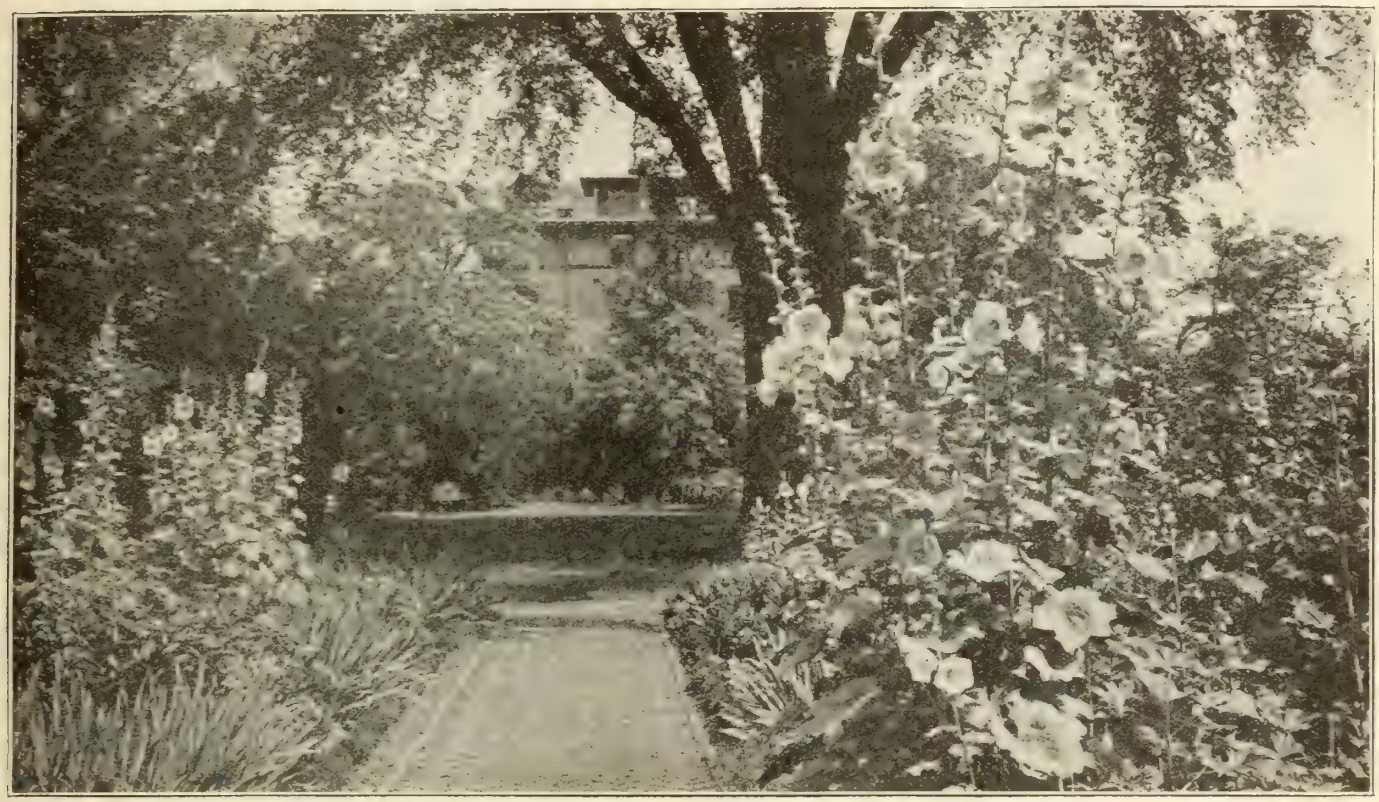
Virginia Soja Beans About twenty days earlier than the Mammoth Yellow. The vines make a fine growth, are filled with pods, stand about 3 feet high, are easy to cut and easy to cure.

Japanese Buckwheat It has the advantage of remaining for some time in bloom and produces seed earlier. It resists drought and blight very well. Sow 1 bushel per acre.

TESTED
PURE
TRUE

Flower Seed Department

The Best Seed
That Can Be
Produced



STARTING SEED INDOORS. A month before you expect to set the started plants outdoors fill a flat wooden box one inch deep with coal ashes or small stones and cover that with an inch of finely sifted rich soil. Sow the seed thinly, cover about one-eighth of an inch and press firmly. Cover with a pane of glass and two thicknesses of newspaper to prevent too rapid evaporation. Keep in a temperature between 60° and 70° and water regularly and carefully. When the seeds have germinated remove the glass. When large enough to handle, transplant one inch apart in a similarly prepared box where they may be kept until time to set outdoors.

STARTING SEED OUTDOORS. A fine seed bed is necessary and the seed should not be planted deeper than four times their size. Special cultural directions on each package of seed.

CLASSIFICATION. Annual flowers are those which grow from seed, bloom, produce seed and die in one year. Biennials bloom the second year and die. Perennials live on from year to year and generally do not bloom the same year the seed is planted. A, signifies annual; B, biennial: P, perennial.

AGERATUM A.

795. BLUE PERFECTION. Deep amethyst blue, brush-like flowers that do not fade, and bloom from early summer until frost. Height, 9 inches. A wonderful bedding plant. **Pkt. 10 cts.; ¼ oz. 25 cts.; oz. 75 cts.**

796. MIXED. Shades of blue and white. **Pkt. 10 cts.; ¼ oz. 20 cts.; oz. 50 cts.**

AGROSTEMMA P.

797. ROSE OF HEAVEN. Crimson red bells against silvery foliage. One plant will make over a hundred blooms during June and July. **Pkt. 10 cts.; 1 oz. 30 cts.**

ALYSSUM A.

798. LITTLE GEM. Dwarf spreading plants about four inches high and covered with a mass of white bloom. Excellent for boxes or edging the flower beds, walks, etc. **Pkt. 10 cts.; ¼ oz. 25 cts.; oz. 65 cts.**

799. SWEET ALYSSUM (A Maritimum). Trailing habit, white flowers. **Pkt. 10 cts.; ½ oz. 25 cts.; oz. 40 cts.**

Special Rock Garden Collection

Rock Gardens are becoming more and more popular. In most any garden at least a small Rock Garden can be made. We here list a selected collection of perennials that are adapted to Rock Garden culture.

		Pkt.
981.	Alyssum Saxatile	10c
993.	Arabis Alpina	10c
818.	Candytuft Perennial	10c
830.	Columbine, Long Spurred Hybrids	10c
852.	Delphinium, Chinese Mixed	10c
851.	Dianthus Plumarius	10c
858.	Forget-Me-Nots	10c
1024.	Gypsophila (Baby Breath)	10c
1033.	Linum (Blue Flax)	10c
1043.	Poppy Iceland	10c
910.	Primrose English Cowslips	10c
1054.	Viola Cornuta	10c
1055.	Wallflower Siberian	10c

See full description of each under catalog number given. **Any 6 for 50 cts; the full collection of 13 for $1.00.**

AMARANTHUS A.

800. TRI-COLOR OR JOSEPH'S COAT. Brilliantly colored leaves. Height about thirty inches. **Pkt. 10 cts.; ¼ oz. 20 cts.; oz. 65 cts.**

801. LOVE LIES BLEEDING. (Caudatus). Beautiful drooping red spikes. Easily grown, useful for borders and centers of beds. **Pkt. 10 cts.; ¼ oz. 15 cts.; oz. 50 cts.**

ANCHUSA P.

986. ITALICA "DROPMORE." A hardy perennial plant with flowers of a lovely gential blue; 3 to 4 feet. **Pkt. 10 cts.; ⅛ oz. 25 cts.**

ANCHUSA A.

991. CAPENSIS (Cape Forget-Me-Not). A splendid blue annual variety, blooming all summer; 18 in. **Pkt. 10 cts.; ¼ oz. 20 cts.; oz. 60 cts.**

ARABIS P. (Rock Cress)

993. ALPINA. Early spring flowering perennial; especially adapted for edging and rockery; pure white blossoms April-May; 6 inches. **Pkt. 10 cts.; ¼ oz. 20c.**

ALYSSUM P.

981. SAXATILE COMPACTUM (Basket of Gold). An ideal hardy perennial plant, flowering in May; showy golden yellow flowers; excellent for rock work; height, 1 ft. **Pkt. 10 cts.; ¼ oz. 25 cts.**

BACHELOR'S BUTTON (Corn Flower) A.

An old favorite, easily grown and blooms profusely from July until frost.

806. DOUBLE BLUE (Florist's Strain). **Pkt. 10 cts.; oz. 50 cts.**

807. MIXED. Many colors. **Pkt. 10 cts.; ¼ oz. 20 cts.; oz. 50 cts.**

AMERICAN ASTERS

Asters are one of the most popular annuals and do well everywhere. Seed may either be planted early indoors or later in the open border. We suggest that you include some of the named varieties in your order.

IMPROVED GIANTS OF CALIFORNIA

This splendid new strain bears wonderfully formed flowers of the Featherbloom type five to six inches in diameter, each one packed with broad petals that twist and interlace in a most beautiful fashion. The strong plants grow 3 to 3½ ft. high with stems 18 to 24 inches long. Season, medium to late. We offer the following colors:

1003. Peach blossom.
1004. Dark purple.
1005. Deep rose.
1006. White.
792. Light purple.

Pkts. 15 cts ; the above six for 75 cts.

793. GIANTS OF CALIFORNIA MIXED. Pkt. 10 cts.; ¼ oz. 75 cts.

BOLGIANO'S FEATHERBLOOM ASTERS

Large flowers four to five inches in diameter. The petals are beautifully curled and twisted much like Japanese Chrysanthemums.

777. White
778. Pink.
779. Lavender.
780. Azure blue.
781. Purple.

The above varieties, Pkt. 10 cts.; ¼ oz. 45 cts.; oz. $1.50.

782. FEATHERBLOOM MIXED. Many colors. Pkt. 10 cts.; ¼ oz. 40 cts.; oz. $1.25.

SEMPLE'S BRANCHING ASTERS

Large double flowers, fine form. Plants 2½ to 3 feet high, branching and robust habit.

783. White.
784. Pink or Mary Semple.
785. Crimson.
786. Lavender.
787. Azure blue.
788. Purple.

The above varieties, Pkt. 10 cts.; ¼ oz. 45 cts.; oz. $1.50.

789. BRANCHING MIXED. Many colors. Pkt. 10 cts.; ¼ oz. 45 cts.; oz. $1.45.

HEART OF FRANCE ASTER

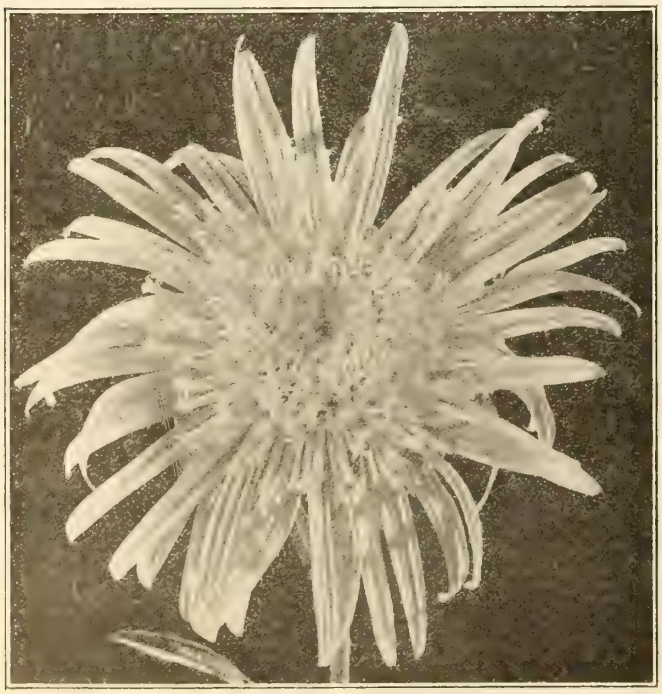
794. As beautiful a red as the purest ruby. The flowers are borne on strong branching plants 2 ft. high, during September and October. Their glowing beauty commands instant admiration. Pkt. 10 cts.; ¼ oz. 80 cts.

QUEEN OF THE MARKET ASTERS

790. The earliest aster, producing a profusion of fine blooms. Mixed. Pkt. 10 cts.; ¼ oz. 35 cts.; oz. $1.20.

NEW CALIFORNIA SUNSHINE ASTERS

791. The Sunshine Asters are a truly beautiful type. The plants form well-branched bushes and carry an abundance of excellent large flowers. The blooms themselves are most artistic. The outer petals are long and narrow whereas the center petals are tubular with a small four-pointed star at the end. Choice mixed. Pkt. 10 cts.; ¼ oz. 75c.



New Sunshine Asters

ASTERS P.

996. MICHELMAS DAISY. One of the showiest of our late flowering perennial plants; star like single flowers. If sown early in spring will flower the same season. Choice mixed. Pkt. 10 cts.; ⅛ oz. 35 cts.

ANTIRRHINUM A. (SNAPDRAGON)

Antirrhinum (Snapdragon)

Snapdragons are among the easiest flowers to raise. Rich earth and a sunny bed will produce long spikes of fragrant, gorgeously colored blooms. Fine for cutting.

MAXIMUM GIANT FLOWERED. This wonderful new type grows 4 to 5 feet high. Blooms measure 2 to 3 inches across and are closely placed on the stem.

802. Apple Blossom. Soft pink.
1007. Canary Bird. Canary yellow.
1008. Snowflake. Pure white.

The above three, 15 cts. per pkt.; 3 for 40 cts.

803. MAXIMUM GIANT FLOWERED. MIXED. The above three and many other brilliant colors. Pkt. 10 cts.; ¼ oz. 30 cts.; oz. $1.00.

HALF DWARF LARGE FLOWERED. A fine type especially for bedding purposes, growing about 18 inches high.

804. Amber Queen. Amber, suffused chamois.
1056. Firebrand. Brilliant fiery scarlet.
1009. Gloria. Rich deep rose pink.
1010. Silver Pink. Soft pearly pink.

The above 15 cts. per pkt.; 4 for 50 cts.

805. HALF DWARF LARGE FLOWERS. MIXED. Pkt. 10 cts.; ¼ oz. 40 cts.; oz. $1.25.

BALLOON VINE A.

808. An attractive climber of quick growth and bears profusely inflated seed capsules. Pkt. 10 cts.; ¼ oz. 15 cts.; oz. 25 cts.

BALSAM (LADY SLIPPER) A.

809. DOUBLE MIXED. These are very beautiful for borders. The plants make perfect little bushes with brilliantly colored flowers. Some of the colors are crimson, lemon, pink, lilac and pale rose. Height, 1½ to 2 ft. Pkt. 10 cts.; ¼ oz. 20 cts.; oz. 60 cts.

BALSAM APPLE A.

810. A very curious climbing vine having glossy green foliage and golden yellow apple-shaped fruits. Rapid grower. Pkt. 10 cts.; ½ oz. 30 cts.; oz. 50 cts.

DIDISCUS CAERULEA

932. BLUE LACE FLOWER. The plants grow 2 feet high and branch freely, each stem crowned with an umbel of delicate, sky-blue flowers resembling Queen Anne's Lace. It is easy to grow and blooms from July to November. Pkt. 10c; ⅛ oz. 30c; ¼ oz. 50c.

CALENDULA DOUBLE A.

Does well in cool locations. Should be planted either singly or in masses. Plants grow 12 inches high, branch freely and bear throughout the season large double flowers 3 inches in diameter.

811. ORANGE KING. Rich orange red. Pkt. 10 cts.; ½ oz. 50 cts.
1011. LEMON QUEEN. Lemon yellow. Pkt. 10 cts.; ½ oz. 40 cts.
812. METEOR. Striped orange and cream. Pkt. 10 cts.
1012. THE BALL. Rich golden orange with a light center. Large double flowers on long strong stems. Excellent for cutting. Pkt. 15 cts.
813. DOUBLE MIXED. A fine mixture of yellow and orange shades. Pkt. 10 cts.; oz. 25 cts.

CALLIOPSIS A.

814. BRIGHT COLORS. MIXED. Bright daisy like flowers on lengthy graceful stems. Very well liked for cutting. Height, 2 ft. Pkg. 10 cts.; ½ oz. 20 cts.; oz. 30 cts.

CANDYTUFT (ANNUAL)

816. GIANT HYACINTH FLOWERED WHITE. Large elongated head with pure white florets. Desirable for cutting. Pkt. 10 cts.; ¼ oz. 20 cts.; oz. 75 cts.

817. DWARF HYBRIDS. MIXED. Large flowers of rose, salmon, coral, pink and lilac. Height, 1 ft. Excellent for bedding, massing and cut flowers. Pkt. 10 cts.; ½ oz. 25 cts.; oz. 40 cts.

Annual Chrysanthemum

CANDYTUFT (PERENNIAL)

818. May and June. Six inches. Evergreen plants covered with pink blooms in spring and early summer. Excellent for rockeries or borders. **Pkt. 10 cts.; ¼ oz. 25 cts.**

CANTERBURY BELLS B.

819. **CAMPANULA MEDIUM MIXED.** 2 ft. Beautiful bell-like flowers of pink, blue and white. Blooms from early to midsummer and is certainly one of the most striking flowers among the biennials. **Pkt. 10 cts.; ¼ oz. 25 cts.**

CANNA A.

820. **MIXED.** Every one has a place for these luxuriant plants with their enormous brilliant clusters of blooms and broad leaves of green or bronze. The seed should be pierced in one spot with a file and soaked in tepid water for 24 hours before sowing. Sow early. **Pkt. 10 cts.; oz. 25 cts.**

CARDINAL CLIMBER A.

1013. Beautiful fern-like foliage bearing circular cardinal red flowers 1½ inches in diameter from midsummer until frost. Height 30 ft. **Pkt. 15 cts.; 2 pkts. 25 cts.; ¼ oz. 45 cts.**

CARNATION A.

821. **MARGUERITE MIXED.** Large flowers of white, pink, crimson and striped colors. These hardy favorites will bloom in late summer if planted early in the spring. **Pkt. 10 cts.; ¼ oz. 35 cts.; oz. $1.00.**

CHINESE WOOL FLOWER A.

824. **SCARLET.** A curiously attractive and brilliantly blooming plant. Many bright balls of scarlet wool show off against the fresh green foliage. **Pkt. 10 cts.; ¼ oz. 40 cts.; oz. $1.25.**

CHRYSANTHEMUM A.

822. **ANNUAL MIXED.** Gorgeous single and double flowers on long, stiff stems. Will produce freely until frost. Height 1 to 1½ foot. **Pkt. 10 cts.; oz. 35 cts.**

CINERARIA

823. **FINE MIXED.** A house plant especially for winter decoration. Flowers 7 to 8 inches in diameter. Sow during summer. **Pkt. 10 cts.; large pkt. 25 cts.**

CLARKIA A.

825. **MIXED.** One of the most easily grown annuals, yet one of the most pleasing. Grows in sun or shade, 2–2½ ft. high. Leafy racimes of double flowers which open in water when cut. **Pkt. 10 cts.; ¼ oz. 25 cts.; oz. 75 cts.**

Columbine

COLUMBINE P.

830. **NEW LONG SPURRED HYBRIDS** (Mrs. Scott Elliott's Strain). 1 to 2 feet. May to July. One of the most valuable of the early flowering perennials. The long spurred blooms and lengthy stems are well adapted to use as cut flowers, but they also produce a beautiful effect when massed in the garden. They do best in a sheltered location that gets the sunshine. **Pkt. 10 cts.; ⅛ oz. 40 cts.**

COSMOS, GIANT EARLY FLOWERING A.

The longer blooming period given by their starting to bloom four to six weeks earlier is making this class of Cosmos very popular. Height, four to six feet.

837. Pink.
838. Red
839. White

Pkt. 10 cts.; ¼ oz. 25 cts.; oz. 70 cts.

840. **GIANT EARLY MIXED COSMOS, Pkt. 10 cts.; ¼ oz. 20 cts.; oz. 50 cts.; ¼ lb. $1.65.**

EARLY DOUBLE CRESTED COSMOS A.

One of the finest introductions of late years. A true Cosmos with a beautiful double crested center.

841. Pink Beauty.
1014. Crimson King.
1015. White Queen.

Pkt. 15 cts. each, 3 pkts for 40 cts.

842. **DOUBLE CRESTED MIXED. Pkt. 10 cts.; ¼ oz. 45 cts.; ½ oz. 80 cts.**

LATE MAMMOTH COSMOS A.

843. **KLONDYKE.** Immense golden yellow blooms. **Pkt. 15 cts.**

Bolgiano's Double Crested Cosmos

844. **LATE MAMMOTH FLOWERING COSMOS, MIXED.** If seed is sown during the Spring it will produce tall growing plants, which will flower freely from September to November. **Pkt. 10 cts.; oz. 30 cts.; ¼ lb. 90 cts.**

CLEMATIS P.

826. A quickly growing vine with deliciously fragrant flowers of pure white, blooming in September. **Pkt. 10 cts.; ¼ oz. 25 cts.; oz. 85 cts.**

COBAEA SCANDENS A. (Cup and Saucer Vine)

827. A rapid grower with fine foliage. Beautiful violet-colored bell-shaped flowers. **Pkt. 10 cts.; ¼ oz. 20 cts.; oz. 70 cts.**

COCKSCOMB A.

828. **DWARF MIXED.** Showy dwarf growing plants bearing large velvety combs. If the combs are cut before frost they may be dried and used for winter decorations. **Pkt. 10 cts.; ¼ oz. 40 cts.; oz. $1.50.**

COLEUS A.

829. **RAINBOW MIXTURE.** The showy plants are grown for their brilliant foliage, which forms the basis of the ribbon beds of foliage plants in the parks and lawns. The colors range from light to dark red leaves, are very finely marbled and spotted. **Pkt. 10, 25 and 50 cts.; ⅛ oz. $1.00.**

COREOPSIS P.

831. **GRANDIFLORA.** 2 feet. June to October. Bears many large golden daisy-like flowers which last long as cut flowers and are very effective in the garden. **Pkt. 10 cts.; ¼ oz. 25 cts.; oz. 75 cts.**

CYCLAMEN A.

832. **PERSICUM MIXED.** A free-flowering plant for growing in the house. Seed should be sown early in the spring. The orchid-like blooms range in color from white to crimson. **Pkt. 20 cts.; large pkt. 50 cts.**

CYNOGLOSSUM A. (Chinese For-get-me-not)

1016. **AMABILE.** An annual of easy culture, producing sprays of intense blue Forget-Me-Not flowers which are very fragrant. **Pkt. 10 cts.; ½ oz. 90 cts.; oz. $1.50.**

CYPRESS VINE A.

833. Finely cut fern-like foliage from which protrudes hundreds of star-like flowers. Of very quick growth. **Pkt. 10 cts.; ½ oz. 20 cts.; oz. 35 cts.**

Euphorbia—Snow on the Mountain

DAHLIA A.

Each seedling is an entirely new variety. All of them will not be worth perpetuating, but it is from selections of seedlings that our finest new varieties are obtained. One never knows what rare and beautiful blooms he will have.

836. **COLTNESS HYBRIDS.** Neat compact dwarf plants blooming from July 'til frost. Blooms 3 inches. Many bright color combinations. **Pkt. 25 cts.**

834. **DOUBLE MIXED. Pkt. 10 cts.; ¼ oz. 60 cts.; oz. $2.00.**

835. **CACTUS MIXED.** The quilled type. **Pkt. 10 and 25 cts.; ⅛ oz. 50 cts.; oz. $2.75.**

DAISY (ENGLISH) P.

845. **DOUBLE MIXED (Bellis Perrenis).** The hardy plants thrive best in cool, shady places. The attractive small double flowers appear very early in the spring. **Pkt. 10 cts.; ⅛ oz. 35c.**

DAISY (AFRICAN GOLDEN) A.

1017. **DIMORPHOTHECA AURANTIACA.** Rich golden flowers with dark disc and halo. Blooms measure 2½ inches on bushy plants about 15 inches tall. They like a dry, sunny position, and bloom the greater part of the summer and fall. **Pkt. 10 cts.; ¼ oz. 35c.**

DAISY (SHASTA) P.

846. **ALASKA.** Great white daisies with curving petals and yellow centers that make a splendid show all summer. Wonderful as cut flowers. **Pkt. 10 cts.; ⅛ oz. 25 cts.**

DELPHINIUM P. (HARDY LARKSPUR)

852. **CHINESE MIXED.** Although a perennial, will bloom in August if planted early in the spring. On account of its dwarfness (2 to 3 ft.) and brilliant blue and white flowers it is a popular plant for bedding and cut flowers. **Pkt. 10 and 25 cts.; ¼ oz. 75 cts.**

853. **GOLD MEDAL HYBRIDS.** Mixture of the most beautiful tall large flowering varieties. The long graceful spikes of harmonizing blue colors make a splendid background. Height, 4 to 6 ft. **Pkt. 20 cts.; ¼ oz. 50 cts.**

854. **BELLADONNA.** Light blue. **Pkt. 20 cts.; ⅛ oz. 75 cts.**

1018. **FORMOSUM.** Dark blue, white center. **Pkt. 20 cts.; ⅛ oz. 75 cts.**

DIANTHUS A. (ANNUAL PINKS)

Brilliantly flowering, clean growing plants that bloom all summer and fall. The pretty double flowers are almost as fine as carnations for cutting, and the neat growth (about 12 inches high) makes them excellent for edging.

847.—**FIREBALL.** Rich blood red; extra double.

1019. **SALMON KING.** Brilliant salmon rose; double.

848. **SNOWBALL.** Large double white; splendid for cutting.

1020. **VIOLET QUEEN.** A rich violet.

The above varieties **10 cts. per pkt.; ¼ oz. 25 cts.**

849. **ANNUAL PINKS, DOUBLE MIXED. ¼ oz. 25 cts.; ½ oz. 45 cts.**

850. **ANNUAL PINKS, SINGLE MIXED.** Large flowers, 2 to 3 inches in diameter; brilliantly colored and fringed. **Pkt. 10 cts.; ¼ oz. 30 cts.**

DIANTHUS P. (PERENNIAL)

851. **PLUMARIUS (Pheasant's eye pink).** Sweet clove scented, low growing, fringed flowers of pink and white. In great profusion during May and June. **Pkt. 10 cts.; ¼ oz. 35 cts.; oz. $1.00.**

FEVERFEW P.

856. The plants attain a height of eight inches; dark cut leaf foliage; the pure white flowers are borne on long stems. Fine for cutting. **Pkt. 10 cts.; ¼ oz. 20 cts.; oz. 75 cts.**

FORGET-ME-NOTS P.

858. **(Myosotis Alpestris).** A perennial but easier to treat as an annual. A lovely dwarf plant for carpeting damp places; beautiful star-like blue flowers. **Pkt. 10 cts.; ¼ oz. 25 cts.; oz. 90 cts.**

EUPHORBIA

1023.—**SNOW ON THE MOUNTAIN.** Strong annual, suitable for beds or mixed borders. The lovely green foliage margained with white is extremely ornamental. **Pkt. 10 cts.; ¼ oz. 20 cts.; oz. 60 cts.**

ESCHSHOLTZIA A. (CALIFORNIA POPPY)

855. **MIXED.** Plants of low spreading growth with cut feathery foliage and flowering during the entire summer. Colors soft pink, crimson, yellow and orange. **Pkt. 10 cts.; ½ oz. 20 cts.; oz. 30 cts.**

Eschsholtzia (California Poppy)

4 O'CLOCKS A. (Marvel of Peru).

857. The plants grow 2½ feet high and are practically covered with the varied colored flowers about four o'clock in the afternoon. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 60 cts.**

FOX GLOVE P. (DIGITALIS)

1021. **GLOXINAEFLORA MIXED.** The plants grow three feet high and bear long spikes of thimble-shaped flowers, brilliantly colored and spotted. If planted in well-drained soil will thrive nicely. **Pkt. 10 cts.; ¼ oz. 25 cts.; oz. 75 cts.**

GAILLARDIA

859. **ANNUAL MIXED.** From early spring to late fall they will supply you with brilliantly colored flowers. Reds and yellows predominant. **Pkt. 10 cts.; ¼ oz. 20 cts.; oz. 75 cts.**

860. **GRANDIFLORA. THE PERENNIAL VARIETY.** June to October; two feet. The beautiful single flowers are red in the center with clear yellow markings on outer edges of petal. **Pkt. 10 cts.; ¼ oz. 25 cts.; oz. 75 cts.**

GERANIUM ZONALE A.

861. **MIXED.** Although a perennial, it is usually treated as annual when grown from seed unless the plants are taken indoors for the winter. Grows readily from seed planted indoors. **Pkt. 10 and 20 cts.; ⅛ oz. 50 cts.; ¼ oz. 75 cts.**

GILIA A.

862. **MIXED.** Early blooming plants 1 ft. high bearing charming flowers of white and blue. For borders or rock gardens. Valuable for bees. **Pkt. 10 cts.; ¼ oz. 15 cts.; oz. 50 cts.**

GODETIA A.

1022. **MIXED.** A close relation of the Evening Primrose. Does best in cool locations. The plants bear freely, widely opened flowers, rich and varied in colors. **Pkt. 10 cts.; ¼ oz. 20 cts.; oz. 50 cts.**

Gaillardia

Larkspur

GOURDS (ORNAMENTAL) A.

863. Easily grown and the many odd and curious fruits are always a source of delight to both young and old. **Pkt. 10 cts.; oz. 20 cts.**

GYPSOPHILA (BABY'S BREATH) A.

1024. **ELEGANS, WHITE.** A quick growing annual with myriads of small, star-shaped pure white flowers on dainty stems. Does well in almost any soil. Sow latter part of April. The plant grows from 10 to 15 inches high. **Pkt. 10 cts.; oz. 25 cts.**

HELICHRYSUM (STRAW FLOWER) A.

864. **MIXED.** This is really a double-purpose flower. The plants during the late summer are most attractive with their beautiful double flowers which if picked before fully opened make fine dried blooms for winter decorations. All colors mixed. **Pkt. 10 cts.; ¼ oz. 20 cts.; oz. 65 cts.**

HELIOTROPE A.

865. **CHOICE MIXED.** Rather tender and will not stand cold weather. Start seed indoors and do not set plants out-of-doors until all danger from frost is past. The flowers have a delightfully fragrant perfume. **Pkt. 10 cts.; ¼ oz. 50 cts.; oz. $1.90.**

HIBISCUS P.

866. **MALLOW MARVELS MIXED.** 5 to 8 feet. June to September. Giant blooms of pink, white and red, frequently 6 to 8 inches in diameter. Unsurpassed for a background or hedge. **Pkt. 10 cts.; ¼ oz. 20 cts.**

HOLLYHOCKS P. (DOUBLE)

Six to eight feet; August to September. These are best treated as biennials. One of the most showy of all hardy garden plants. The majestic plants produce magnificent long spikes bearing beautiful double flowers which measure 3 to 4 inches across.

867. Crimson.
868. Salmon
1025. Maroon.
1027. White.
1026. Newport pink.
1028. Yellow.

Pkt. 10 cts.; ¼ oz. 40 cts.; oz. $1.50.

869. **DOUBLE MIXED. Pkt. 10 cts.; ¼ oz. 35 cts.; oz. $1.25.**

HYACINTH BEAN A.

870. A fine climber with clusters of purple or white flowers followed by ornamental seed pods. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 75 cts.**

JOBS TEARS A.

871. Curious ornamental grass with broad corn-like leaves and lustrous slate colored seeds. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 60 cts.**

KUDZU VINE P.

872. A twining vine of remarkably rapid growth, attaining a length of 40 to 50 feet in one season. Hardy. Foliage large and lobed; purple pea-shaped flowers in clusters, borne late in the season. A fine vine for arbors, verandas, etc. Easily grown from seed. **Pkt. 10 cts.; ½ oz. 25 cts.; oz. 45 cts.**

LANTANA A.

873. **MIXED.** The flowers resemble Verbena heads and are constantly in bloom all summer. An excellent bedding plant; 2 to 3 ft. in height. **Pkt. 10 cts.; ½ oz. 30 cts.**

LINUM P. (Blue Flax)

1033. **PERENNE.** Hardy perennial variety with bright blue flowers. 1½ feet. **Pkt. 10 cts.; ¼ oz. 25 cts.**

LARKSPUR TALL DOUBLE STOCK FLOWERED

The 3-ft. plants in their free, graceful habit and brilliant colors are classed as one of the best species for the garden. The tall closely packed spikes are unsurpassed as cut flowers. Blooms from July until frost; may be had by sowing in the open ground in April.

874. Light blue.
1031. Rose.
1029. Dark blue.
876. Scarlet Rose.
1030. Flesh.
1032. White.
875. Lilac.

Pkt. 10 cts.; ¼ oz. 30 cts.; oz. $1.00.

877. **MIXED COLORS. Pkt. 10 cts.; ¼ oz. 25 cts.; oz. 75 cts.**

LATHYRUS LATIFOLIUS P.

1036. **EVERLASTING OR PERENNIAL PEA.** Showy, hardy perennial climber for covering walls, stumps, fences, etc. Free flowering. Excellent for cutting; 6 to 8 feet. Choice mixed, all colors. **Pkt. 10 cts.; ½ oz. 35 cts; oz. 60 cts.**

LOBELIA A.

878. **DWARF MIXED.** Especially desirable for edging flower beds; also for planting in hanging baskets, vases, etc., and in pots for house plants during the winter. The dwarf compact plants grow six inches high and are covered with beautiful star-like flowers. **Pkt. 10 cts.; ¼ oz. 50 cts.; oz. $1.50.**

LUPINE A.

879. **TALL MIXED.** Very easily grown. The plant is about 12 inches high, and from this develops a long flower spike filled with small flowers, resembling sweet pea blossoms. Excellent for cutting. **Pkt. 10 cts.; oz. 25 cts.**

MARIGOLD TALL AFRICAN

Dark green cut foliage, produces freely large double flowers of yellow and orange. Measuring 3 inches across. 2½ ft.

880. **LEMON BALL.** Canary yellow.

881. **ORANGE BALL.** Orange yellow.

Pkt. 10 cts.; ¼ oz. 35 cts.; oz. $1.00.

882. **MIXED. Pkt. 10 cts.; ¼ oz. 25 cts.; oz. 75 cts.**

883. **MARIGOLD DWARF DOUBLE FRENCH MIXED.** Attain a height of 12 to 15 inches. The brilliant orange and yellow flowers blend nicely with the dark green, finely cut fern-like foliage. **Pkt. 10 cts.; ¼ oz. 20 cts.; oz. 55 cts.**

Marigold Orange Ball

MEXICAN FIRE BUSH A.

884. **SUMMER CYPRESS.** A quick growing foliage or hedge plant, very symmetrical in form. During the summer it has the appearance of an expensive ornamental evergreen and in the fall has innumerable tiny flowers when the bush takes on a fiery red tinge. **Pkt. 10 cts.; oz. 25 cts.**

MIGNONETTE A.

885. **MACHET.** Valued most highly on account of its delightful fragrance. Thrives best during cool weather, and we recommend that a second sowing be made in August to furnish a supply of the flower heads during the fall. **Pkt. 10 cts.; oz. 40 cts.**

MOONFLOWER A.

886. So called because it has the characteristic of opening its flowers during the late afternoon and evening. The large pure white flowers contrast beautifully with the heavy dense foliage. **Pkt. 10 cts.; ¼ oz. 20 cts.; oz. 50 cts.**

815. **MOONFLOWER BLUE.** Grows quickly. Blooms early and covers the vine with large clear blue flowers. **Pkt. 10c; ¼ oz. 20 cts.; oz. 50 cts.**

MORNING GLORY A.

887. **IMPERIAL JAPANESE MIXED, A.** The flowers are extra large in size and of many colors. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 60 cts.**

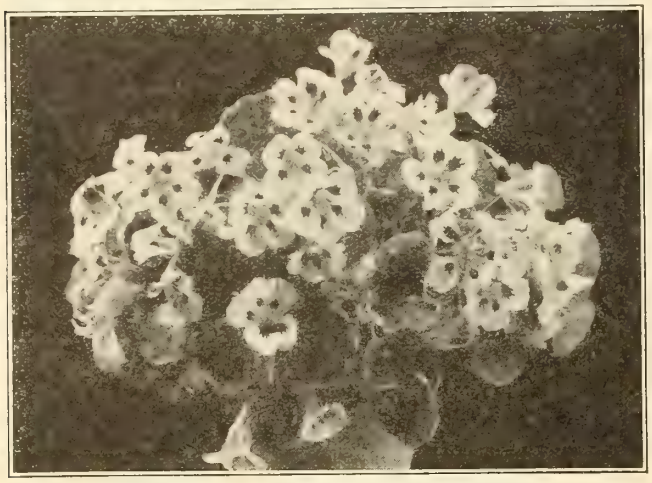
1034. **HEAVENLY BLUE.** Immense flowers of clear sky blue. **Pkt. 10 cts.; ¼ oz. 25 cts.**

NICOTIANA A. (Flowering Tobacco)

1035. **AFFINIS HYBRIDA.** Extremely showy annual plants giving a continuous display of brilliant flowers; 2 to 3 ft. **Pkt. 10 cts.; ½ oz. 30 cts.; oz. 55 cts.**

NASTURTIUMS (Dwarf Giant Flowering)

Gorgeous colors, bushels of blooms and ease of culture have placed Nasturtiums high in popularity. From early summer until frost one can have a fresh bouquet for the breakfast table each morning.



Bolgiano's Giant Flowered Nasturtiums

888. **CRIMSON.** Velvety Crimson.
1037. **CLOTH OF GOLD.** Yellow Foliage, Scarlet Flowers.
1038. **KING OF TOM THUMBS.** Scarlet Flowers, Dark Green Foliage.
889. **PEARL, OR MOONLIGHT.** Creamy white.
The above varieties, **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 50 cts.**

890. **DWARF MIXED. Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 40 cts.; lb. $1.25, postpaid.**

TALL NASTURTIUMS

891. **MIXED.** These are at their best when planted on a steep slope and allowed to run down without any training. The plants are of strong, vigorous growth and the running shoots may be trained on ordinary fences or on wire netting. Have the plants stand 8 inches apart. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

BOLGIANO'S PANSIES

892. **EXHIBITION GIANTS.** The most beautiful forms and color combinations imaginable. The result of the efforts of Europe's best growers. Flowers attain a size of two to three inches under favorable conditions. **Pkt. 25 cts.; ⅛ oz. 75 cts.**
893. **GIANT ADONIS.** Light blue with a white margin. **Pkts. 10 and 25 cts.; ⅛ oz. 50 cts.; ¼ oz. 90 cts.**
1039. **GIANT GOLD WITH BLACK EYE. Pkts. 10 and 25 cts.; ⅛ oz. 50 cts.; ¼ oz. 90 cts.**
894. **GIANT TRIMARDEAUX MIXED.** Beautiful color combinations. Each flower has three blotches of color, and attains great size. **Pkts. 10 and 25 cts.; ¼ oz. 50 cts.; oz. $1.20.**

Exhibition Giant Pansy

PETUNIAS A.

907. **GIANTS OF CALIFORNIA RUFFLED MIXED.** A well-balanced mixture of light and dark colors including pink and rose shades fringed and ruffled with attractive deep throats. Many beautifully veined. The flowers are extraordinarily large and of great substance. **Pkts. 20 cts. each; 3 for 50 cts.**

BALCONY PETUNIAS. A large and free flowering type either for window boxes, vases, hanging baskets, etc. The flowers average 3 inches across and make a very effective display over a long season.

901. Balcony Blue. 902. Balcony White.
1040. Balcony Rose. 1041. Balcony Crimson.

The above four varieties, **Pkt. 15 cts.; the four for 50 cts.**

903. **BALCONY MIXED. Pkt. 15 cts.; 2 for 25 cts.**

904. **GIANT FLOWERED MIXED.** This is a mixture of large flowering single varieties containing a good assortment of colors. **Pkt. 10 cts.; ¼ oz. 35 cts.**

SINGLE BEDDING PETUNIAS. This type forms compact plants 12 to 18 inches tall. It is very free flowering and especially adapted to window boxes, beds and borders.

905. **Rosy Morn.** Soft rose pink with a white throat. **Pkt. 10 cts.; ⅛ oz. 50 cts.**
1042. **SNOW BALL.** Pure satiny white. **Pkt. 10 cts.; ⅛ oz. 50 cts.**
906. **MIXED.** Many different colors. **Pkt. 10 cts.; ¼ oz. 35 cts.**

Bolgiano's Giants of California Petunias

PHYSALIS A. CHINESE LANTERN PLANT

900. An ornamental plant forming dense bushes 2 ft. high and producing freely orange scarlet fruits resembling Chinese lanterns which can be cut and dried for winter bouquets. **Pkts. 10 cts.**

ICELAND POPPIES P.

1043. The graceful foliage is surmounted with a mass of stems a foot high, which terminates in a beautiful cup-shaped flower. Blooms the entire summer. Single mixed colors range from white and yellow to deep orange scarlet. **Pkt. 10 cts.; ⅛ oz. 25 cts.; ¼ oz. 40 cts.**

POPPY P. (ORIENTAL)

1044. **MIXED.** Three feet; May and June. Flowers of gorgeous brilliancy. Colors from soft rose to dazzling scarlet and richest maroon purple. **Pkt. 10 cts.; ¼ oz. 40 cts.; oz. $1.50.**

POPPY A. (SHIRLEY)

1045. **MIXED.** The large flowers are brilliantly colored and always attract much attention. **Pkt. 10 cts.; ¼ oz. 15 cts.; oz. 50 cts.**

PORTULACA A.

Brilliant flowers, low growth, thrives under the most adverse conditions. Indispensable for filling in, bedding and rock plantings.

1046. **DOUBLE MIXED. Pkt. 10 cts.; ¼ oz. 60 cts.**
908. **SINGLE MIXED. Pkt. 10 cts.; ¼ oz. 20 cts.; oz. 75 cts.**

Phlox Drummondi

PHLOX DRUMMONDI GRANDIFLORA A.

One of the best annuals. Easily grown from seed and produces large heads of brilliant blooms all summer. This variety is the best and largest of the annual phlox. Sturdy plants, 15 inches high make it excellent for bedding.

895. Brilliant Crimson. 896. Deep Rose.
1047. Flesh. 897. Violet.
1048. Soft lilac. 1049. White.

Any of the above colors. **Pkt. 10 cts.; ¼ oz. 35 cts.**

898. **CHOICE MIXED. Pkt. 10 cts.; ¼ oz. 30 cts.**

PHLOX (HARDY PERENNIAL)

899. **MIXED.** A fine mixture of the large perennial varieties. **Pkt. 10 cts.; ¼ oz. 75 cts.**

PRIMULA

911. **CHINESE PRIMROSE.** Treat as a greenhouse annual. These make splendid winter-blooming pot plants. A fine mixture of many colors. **Pkt. 10 cts.; large pkt. 25 cts.**

PRIMROSE P. (ENGLISH COWSLIP)

910. Dwarf growth with bright yellow flowers in April and May. **Pkt. 10 cts.; ¼ oz. 25 cts.; oz. 75 cts.**

PYRETHRUM A. (GOLDEN FEATHER)

909. The beautiful golden leaves growing about one foot high make an incomparable edging for flower beds. **Pkt. 10 cts.; ¼ oz. 20 cts.; oz. 75 cts.**

PYRETHRUM P. (PAINTED DAISY)

912. Produces charming white, pink and rose colored daisy-like flowers from April through June. **Pkt. 15 cts.; ¼ oz. 60 cts.**

RICINUS A. (CASTOR OIL BEAN)

913. Large plants growing from 6 to 7 ft. high with broad spreading leaves that give a very tropical effect. Used in the center of beds, on lawns and for massing. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 50 cts.; lb. $1.50.**

Scarlet Sage

SALVIA A. (Scarlet Sage)

915. **BONFIRE SCARLET SAGE.** A fine variety, 2 feet high; forms a dense compact bush; is a heavy bloomer, having brilliant scarlet flowers. **Pkt. 10 cts.; ⅛ oz. 40 cts.; ¼ oz. 70 cts.**

916. **SALVIA SPLENDENS.** Handsome, bushy plants which produce hundreds of spikes of brilliant scarlet flowers during the early fall months. Seed should be shown early indoors; set plants in beds as soon as danger from frost is past. **Pkts. 10 cts.; ⅛ oz. 35 cts.; ¼ oz. 60 cts.; oz. $2.00.**

SALPIGLOSIS A. (PAINTED TONGUE)

914. An exceedingly beautiful, showy flower, of purple, red, yellow, buff and blue, all delicately veined. The flowers are similar to petunias in shape but the beautifully colored petals marked with fine veins of gold leave much doubt as to which is the most beautiful. **Pkt. 10 cts.; ¼ oz. 30 cts.; oz. $1.00.**

SCABIOSA A.

917. **MIXED.** The growing plants are not only highly ornamental, but produce freely on long stems beautifully formed flowers of many colors. Sow seed as soon as trees are starting in leaf. **Pkt. 10 cts.; ¼ oz. 20 cts.; oz. 60 cts.**

SCABIOSA P.

1050. **JAPONICA.** A hardy variety from Japan. Flowers beautiful clear blue. **Pkt. 10 cts.; ⅛ oz. 40 cts.**

SCARLET RUNNER BEAN A.

918. A quick-growing vine bearing large sprays of bright scarlet pea-like flowers. When fully ripened the dry beans are bright scarlet, heavily blotched with purple. **Pkt. 10 cts.; ¼ lb. 15 cts.; lb. 45 cts.**

STOCKS DWARF DOUBLE TEN WEEKS A.

919. **MIXED.** Highly recommended as a cut flower. The colors are white, yellow, pink and blue. Sow seed in hotbed or boxes and transplant into rich soil. **Pkt. 10 cts.; ⅛ oz. 35 cts.; ¼ oz. 50 cts.**

STOKESIA P. (Corn Flower or Stokes Aster.)

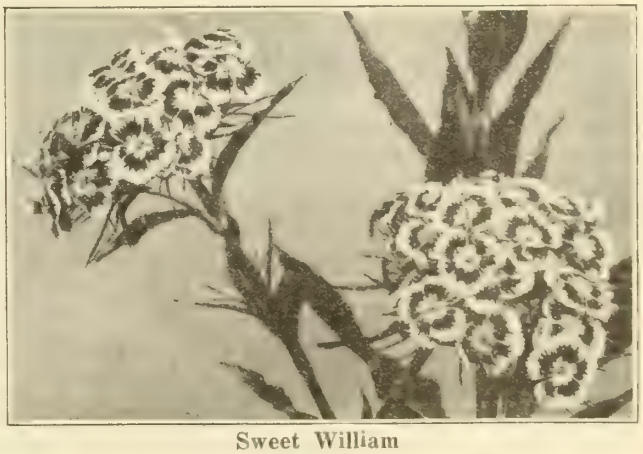
1051. **CYANEA.** Plants grow from 18 to 24 inches high, bearing freely from July to October. The flowers resemble the corn flower and are delicate blue. One of the most desirable plants for the hardy border. Excellent for cutting. **Pkt. 10 cts.; ¼ oz. 50 cts.**

SUNFLOWER A. (Chrysanthemum Flowering)

920. Positively the finest sunflower in cultivation. Flowers always perfectly double and of brightest golden yellow. Height 6 ft. **Pkt. 10 cts.; oz. 30 cts.**

SWEET ROCKET P.

921. **MIXED.** Plants attain a height of 2 feet and produce sweet scented panicles of white and lavender flowers. **Pkt. 10 cts.; ½ oz. 25 cts.; oz. 40 cts.**



Sweet William

SWEET WILLIAM P.

922. **NEWPORT PINK (Watermelon Pink).** **Pkt. 10 cts.; ¼ oz. 35 cts.; oz. 95 cts.**

1052. **WHITE (Double).** **Pkt. 10 cts.; ¼ oz. 35 cts.; oz. 95 cts.**

923. **SCARLET BEAUTY.** Bright Scarlet single. **Pkt. 10 cts.; ¼ oz. 25 cts.; oz. 75 cts.; ¼ lb. $2.00; lb. $7.00.**

926. **JOHNSON'S GIANT HYBRIDS.** Immense flowers, large eyes. **Pkt. 10 cts.; ¼ oz. 35 cts.**

924. **SINGLE MIXED.** **Pkt. 10 cts.; ¼ oz. 30 cts.; oz. 75 cts.; ¼ lb. $1.75; lb. $4.50.**

925. **DOUBLE MIXED.** **¼ oz. 25 cts.; oz. 75 cts.; ¼ lb. $2.00; lb. $7.00.**

EVERBLOOMING HYBRID SWEET WILLIAM P.

1053. **SCARLET.** A brilliant variety that blooms all summer. One of the very best perennials. **Pkt. 10 cts.; ¼ oz. 30 cts.**

Verbena

THUNBERGIA A. (BLACK-EYED SUSAN)

927. **MIXED.** Neat foliage. Vines are of rapid growth and produce freely white, yellow and orange flowers, each with a black eye. **Pkt. 10 cts.; ¼ oz. 30 cts.; oz. $1.25.**

TRITOMA A. (RED HOT POKER)

928. **MIRABILIS.** Striking red spires from August until late autumn. Plant the seed indoors from January to March and set out the plants the latter part of April. **Pkt. 15 cts.; ⅛ oz. 50 cts.**

VERBENA A.

929. **FINE MIXED.** A truly useful plant. It can be used in beds, borders or window boxes or for undergrowth for tall plants like lilies. The colors are white, rose, violet, yellow and scarlet. Some of the plants are fragrant. **Pkt. 10 cts.; ¼ oz. 40 cts.; oz. $1.25.**

VINCA A. (PERIWINKLE)

930. **MIXED.** One foot high; neat, white and pink blooms with dark foliage. One of the best plants for window boxes. When planted early will bloom the same season and through the winter indoors. **Pkt. 10 cts.; ¼ oz. 25 cts.; ½ oz. 45 cts.**

VIOLA P. (TUFTED PANSY)

1054. **CORNUTA MIXED.** More graceful and freely blooming than pansies. The colors of yellow, blue, lavender and white are more distinct and the plants bloom over a long period. Seed sown in April will produce blooms from June until frost. **Pkt. 10 cts.; ⅛ oz. 40 cts.**

WALL FLOWER B.

931. An attractive sweet scented biennial. Lovely gold and red flower spikes; in early spring. **Pkt. 10 cts.; ¼ oz. 20 cts.; oz. 60 cts.**

SIBERIAN WALL FLOWER P.

1055. Perennial variety. Bright heads of orange flowers about 12 inches high, from spring through the summer. **Pkt. 10 cts.; oz. 50 cts.**

WILD FLOWER GARDEN MIXTURE A.

933. This is a well-balanced mixture of hardy annuals suitable for planting in odd corners or on vacant lots. This mixture is easily grown and makes a fine bed for cut flowers. Give some to the children for their own garden. **Pkt. 10 cts.; ½ oz. 20 cts.; oz. 30 cts.; ¼ lb. $1.00.**

SEMI-SHADE COLLECTION

Many garden lovers are puzzled to know what they can plant that does best in a semi-shaded location. We here list a collection that will answer that purpose. See description of each under number listed.

825.	Clarkia	878.	Lobelia
858.	Forget-me-nots	879.	Lupine
1022.	Godetia	805.	Snapdragon

6 for 50 cts.

BOLGIANO'S CALIFORNIA GROWN ZINNIAS

Few flowers grown from seed give the general satisfaction that Zinnias give. For brilliancy and variety of colors, there is nothing that surpasses our strain. The popularity of this flower is constantly increasing. It is frequently called "Youth and Old Age," because of its constant blooming.

DAHLIA FLOWERED ZINNIAS

The newest and most attractive member of the Zinnia family. Immense dahlia-like flowers often measuring 4 to 5 inches in diameter. The sturdy plants produce an abundance of blooms all summer.

939. **EXQUISITE.** By far the most pleasing of our collection. Truly dahlia-like in both form and size. Color light rose with center a deep rose. (Tyrian Rose.)

940. **GOLDEN STATE.** A very rich orange yellow (Cadmium). Yellow in the bud, turning to an attractive orange when in full bloom.

941. **ORIOLE.** We consider this the most beautiful of its class. It is an immense orange and gold bicolor, changing slightly as it ages, but at all times worthy of the beautiful bird for which it is named.

942. **PURPLE PRINCE.** A fine, deep purple (Rhodanthe Purple), large and well-formed. (New.)

943. **POLAR BEAR.** A very large pure white, the best white yet seen in Zinnias. True Dahlia form.

944. **SCARLET FLAME.** A large, beautiful, bright scarlet, with a delightful blending of orange throughout the petal. This is not a bicolor.

The above six varieties, **15 cts. per pkt.; ⅛ oz. 60 cts.; ¼ oz. $1.00; 1 pkt. of each for 75 cts.**

945. **GOLD MEDAL MIXTURE.** All the above and others, **pkt. 15 cts.; ¼ oz. 60 cts.; oz. $2.00.**

POMPOM OR LILLIPUT ZINNIAS

947. **MIXED.** The best Zinnia for bedding. Compact plant, not over two feet high, bearing large double flowers of distinct colors. **Pkt. 10 cts.; ¼ oz. 35 cts.; oz. $1.00; ¼ lb. $2.50.**

CACTUS ZINNIAS—VICTORY QUILLED

946. **MIXED.** A most striking form and a rich variety of colors gave this Zinnia its well-deserved popularity. Its petals are quilled and give the flower the appearance of a Cactus Dahlia. **Pkt. 10 cts.; ¼ oz. 45 cts.; oz. $1.50.**

GIANTS OF CALIFORNIA

1057. **MIXED.** The great advantage of this type is that the flowers are of enormous size and flat, getting away from the conical type of the regular giants and eliminating the stiffness that has been so objectionable in Zinnias in the past. The flowers from the time they open are attractive, making them a good cut flower from the early buds until they are in full bloom. They are twice the size of the ordinary giants. **Pkt. 15 cts.; ¼ oz. 60 cts.; oz. $2.00.**

Bolgiano's Dahlia Flowered Zinnia

GIANT FLOWERED DOUBLE ZINNIAS

934. Crimson.
935. Flesh pink.
936. Sulphur yellow.
937. White.

The above 4 varieties, **Pkt. 10 cts.; 4 for 30 cts.; ¼ oz. 45 cts.; oz. $1.50.**

938. **MIXED.** **Pkt. 10 cts.; ¼ oz. 35 cts.; oz. $1.00; ¼ lb. $2.50.**

SWEET PEAS

Sweet Peas have been frequently referred to as the poor man's Orchid solely because of the abundance of blooms, the colors which may be likened to those found in the rarest Orchids.

CULTURE. Sweet Peas should be sown in drills as early as possible in spring in rich, friable soil. Prepare the bed thoroughly, digging in a quantity of well-rotted manure, if it can be done, making a furrow 1 to 6 inches deep. In this sow the seed and cover 2 inches deep. As soon as the plants begin to show through fill in the furrow. This will secure a deep planting without the bad effects of deep covering of the seed at first, and so enable the plant to bloom continuously through the heat of summer. As fast as the flowers come into full bloom they should be cut off, for if the pods are allowed to form the plants will stop blooming.

Early Flowering Spencer Sweet Peas

These varieties are a welcome addition to our lists, for they flower several weeks earlier than the regular Spencers, and if planted with them you will have a much longer season of bloom.

958. **AVIATOR.** Large crimson.
959. **FAIR MAID.** Blush pink suffused salmon.
960. **HERCULES.** Giant rose pink.
961. **LIBERTY.** Large crimson.
962. **MORNING STAR.** Orange scarlet.
963. **PEACE.** Rose pink on cream.
964. **PINK AND WHITE.** Pink on white.
965. **SNOWFLAKE.** Pure white.
966. **SONGSTER.** Large lavender.
967. **WARBLER.** Rich mauve purple.

The above varieties, **Pkt. 10 cts.; oz. 50 cts.; ¼ lb. $1.50.**

969. **MIXED EARLY SPENCERS.** A well-balanced mixture of the newest and brightest colors. **Pkt. 10 cts.; oz. 40 cts.; ¼ lb. $1.25.**

Spencer, or Orchid-Flowering Sweet Peas

The largest, most beautiful and all around best variety of Sweet Peas. You can reap armfuls of the many colored, waved and fragrant blossoms all summer long if you will but care for them.

971. **BLANCHE FERRY.** Bright carmine rose, wings white, suffused and tinted light pink.
973. **CONSTANCE HINTON.** Largest and best white.
974. **COUNTESS SPENCER.** Rose pink.
977. **ELFRIDA PEARSON.** Giant shell pink.
978. **FIERY CROSS.** Bright red, orange, cerise.
979. **FLORENCE NIGHTINGALE.** Bluish lavender.
980. **GEORGE HERBERT.** Rosy carmine.
982. **HERCULES.** Giant pure pink (best).
983. **ILLUMINATOR.** Salmon orange, overlaid cerise.
984. **KING EDWARD.** Pure crimson.
985. **KING MANOEL.** Largest deep maroon.
988. **MARGARET MADISON.** Azure blue.
990. **MRS. CUTHBERTSON.** Rosy pink, white wings.
992. **MRS. TOWNSEND.** White flaked blue.
997. **SENATOR SPENCER.** Chocolate, purple and white striped.
998. **STERLING STENT.** Salmon orange.
999. **TENANT SPENCER.** Purple mauve.
1001. **WEDGEWOOD.** Fine blue.

The above varieties, **pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. $2.50.**

Bolgiano's Superb Mixed Spencer Sweet Peas

1002. This mixture contains the choicest named varieties blended in the proper proportions to insure a well-balanced color effect. It will give a lavish display of the largest and most attractive flowers. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 60 cts.; 1 lb. $1.75.**

1036. **PERENNIAL OR EVERLASTING SWEET PEA.** Once planted these live year after year, bearing magnificent clusters of flowers early in the Spring before the annual kind begins to flower. Excellent for cutting. Grow 6 to 8 feet high. **Pkt. 10 cts.; ½ oz. 35 cts.; oz. 60 cts.**

Bolgiano's Gigantic Orchid Flowered Countess Spencer Sweet Peas

The Best Grandiflora Sweet Peas

In spite of the vast superiority of Spencer or Orchid-Flowering Sweet Peas, we find there are some planters who still prefer the older or Grandiflora types.

Our list includes all the best varieties in the different color classifications.

951. **AMERICA.** Red and white striped.
948. **BLACK KNIGHT.** Deep maroon.
949. **BLANCHE FERRY.** Rose and white.
950. **DOROTHY ECKFORD.** Large white.
952. **HON. MRS. E. KENYON.** Large primrose.
953. **JANET SCOTT.** Deep pink
954. **KING EDWARD VII.** Bright red.
955. **LADY GRISEL HAMILTON.** Lavender.
956. **PRIMA DONNA.** Pale soft pink.

The above varieties, **pkt. 10 cts.; oz. 15 cts; ¼ lb. 40 cts.; lb. $1.25.**

957. **BOLGIANO'S SPECIAL GRANDIFLORA MIXED.** All the above varieties and others, **pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. $1.00.**

Eight Charming Spencer Sweet Peas for 50 Cts.

George Herbert. Rose.
King Edward Spencer. Fine scarlet.
Wedgewood. Fine blue.
Illuminator. Beautiful salmon pink.
Florence Nightingale. Soft lavender.
Constance Hinton. Best white.
Senator Spencer. Chocolate, purple and white stripes.
Superb Mixed Spencers. Many colors.

Hardy Perennial and Biennial Flower Plants

The "Old-Fashioned Gardens" of grandmother's day were gardens of perennials. An increasing number of flower lovers are making these permanent gardens and using perennials among shrubbery in borders and beds. The return each year of familiar flower faces without the annual bother of sowing or transplanting is indeed a great joy. Weeks in advance of plants grown from seed, the early, hardy perennials throw out leaves and showy flowers to brighten the landscape. Both early and late flowering kinds are of easy culture.

CULTURE: Seeds may be planted in the spring or just after midsummer for blooms the following year. But by setting out plants in the spring blooms may be secured the same year, and some perennials will bloom from seed the same year if planted very early in the spring. (See descriptions of varieties.)

A deep, well-drained bed of enriched soil is essential to the proper growth of the plants. Care taken in providing a suitable bed will repay you many times as you watch the succession of various beautiful and fragrant blooms through the seasons year after year.

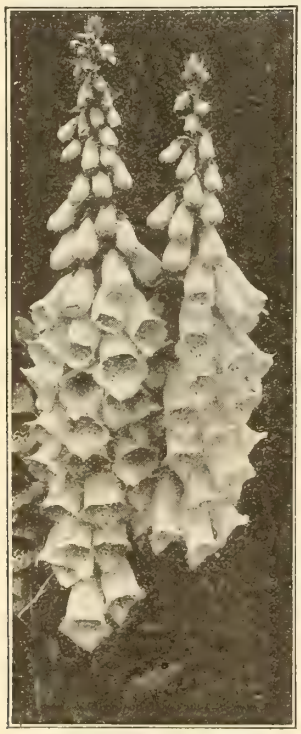
STRONG, YEAR OLD PLANTS. Our perennial plants will give satisfaction. All of them are large and well-rooted. They should be planted in March or April, according to the season, for best results. Where listed at 25 cts. each, we will sell 10 of that kind for $2.00.

POSTAGE ON PLANTS. Add postage as follows: Single plants, 5 cts.; 3 plants, 10 cts.; 6 plants, 15 cts.; 12 plants, 25 cts. On more than 12 plants, postage will be collected when delivered.

ANEMONE JAPONICA (Japanese Windflower)

QUEEN CHARLOTTE. Large semi-double flowers of "La France" pink. Grows well in shade; a good cut-flower. 2 feet.

WHIRLWIND. Similar to above, but pure white. **Plants, 25 cts. each; $2.00 for 10.**



Digitalis (Fox Glove)

ASTER (HARDY)

(Michelmas Daisy). Lovely, daisy-like flowers, 4 to 5 ft. high; blooming September and October. **Climax,** blue violet; **Novae-Angliae,** lavender pink. **Plants, 25c each; $2.00 for 10.**

ASTILBE (Goat's Beard)

An extra hardy plant of feathery plumes of flowers and neat, attractive foliage, ½ ft. tall. June and July. **America,** deep pink, excellent bloomer. **Gladstone,** snow white, 18 inches tall. **Queen Alexander,** pink. **Rubens,** rose red. **Price of all Astilbe Plants, 45c each; $1.25 for three.**

AGROSTEMMA

Crimson red or white bells against silvery foliage. One plant will make over a hundred blooms during June and July. **Plants 25 cts.; $2.00 for 10.**

BAPTISIA AUSTRALIS

(False Indigo). Gentian blue pea-shaped flowers, very showy, 2 feet tall. May and June. **Plants 25c ea.**

BLEEDING HEART

DICENTRA SPECTABILIS. Long graceful racemes of heart shaped rose crimson flowers. **Plants 45 cts. each.**

DICENTRA FORMOSA (FALSE BLEEDING HEART). The foliage is fern-like and remains attractive all summer. The heart-shaped flowers are pink. **Plants 25c; $2.00 for 10.**

CANDYTUFT (HARDY)

IBERIS GIBRALTARICA. May and June. Six inches. Evergreen plants covered with pink blooms in spring and early summer. Excellent for rockeries or borders. **Plants 25 cts.; $2.00 for 10.**

CHRYSANTHEMUM PLANTS

Single Flowering	Color	Blooming Season
Alice Howell	Orange-Yellow	Oct. 25
Mrs. W. E. Buckingham	Pink	Oct. 25
Bronze Buckingham	Bronze	Oct. 25
(Pompom Varieties)		
Anna L. Moran	Scarlet-Bronze	Oct. 15
Black Hawk	Red	Nov. 5
Cometa	Rose	Nov. 1
Emalinda	Old Rose	Oct. 30
Golden West	Yellow	Nov. 1
Grover Yellow	Yellow	Nov. 5
L'Argentullius	Chestnut	Nov. 5
Miramar	Bronze	Oct. 25
Normandie	Yellow	Oct. 10
Queen of whites	White	Nov. 10
(Large Types)		
Pacific Supreme	Pink	Oct. 15
Pocket Surprise	Red	Nov. 1
Yellow Turner	Yellow	Nov. 1
Mankato	Red	Nov. 1

Plants 25 cts. each, $2.00 for 10 of one variety.

CANTERBURY BELLS

CAMPANULA MEDIUM MIXED. 2 ft. Beautiful bell-like flowers of pink, blue and white. Blooms from early to midsummer and is certainly one of the most striking flowers among the biennials. **Plants, white or blue, 25 cts.; $2.00 for 10.**

COREOPSIS

GRANDIFLORA. 2 feet. June to October. Bears many large golden daisy-like flowers which last long as cut flowers and are very effective in the garden. **Plants, 25 cts.**

COLUMBINE

NEW LONG SPURRED HYBRIDS. 1 to 2 feet. May to July. One of the most valuable of the early flowering perennials. The long spurred blooms and lengthy stems are well adapted to use as cut flowers, but they also produce a beautiful effect when massed in the garden. They do best in a sheltered location that gets the sunshine.

Mixed, 25 cts each; $2.00 for 10.

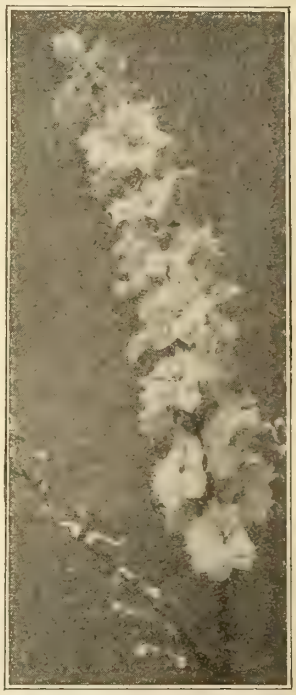
Chrysantha (Golden Columbine). Yellow flowers with long spurs.

Chrysantha (Alba). Pure white

Canadensis (American Columbine). Red and yellow flowers. **Plants 25c each; $2.00 for 10.**

DELPHINIUM (Perennial Larkspur)

Blue and white. Although a perennial, will bloom in August if planted early in the spring. On account of its dwarfness (2 to 3 ft.) and brilliant blue and white flowers it is a popular plant for bedding and cut flowers. **Plants, 25 cts.**



Gold Medal Hybrid Delphinium

GOLD MEDAL HYBRIDS. Mixture of the most beautiful tall, large flowering varieties. The long graceful spikes of harmonizing blue colors make a splendid background. Height, 4 to 6 ft. **Plants, 35 cts. each; $3.00 for 10.**

BELLADONNA. Light blue. **25 cts.**

BELLAMOSUM. Dark blue. **25 cts. per plant.**

DIGITALIS (FOX GLOVE)

GLOXINAEFLORA MIXED. The plants grow three feet high and bear long spikes of thimble-shaped flowers, brilliantly colored and spotted. If planted in well-drained soil will thrive nicely. **Plants 25 cts. each; 6 for $1.25; $2.00 for 10.**

DAISY (ENGLISH)

DOUBLE MIXED (Bellis Perrenis). The hardy plants thrive best in cool, shady places. The attractive small double flowers appear very early in the spring. **Plants, 10 cts. each.**

Columbine

DAISY (SHASTA)

ALASKA. Great white daisies with curving petals and yellow centers that make a splendid show all summer. Wonderful as cut flowers. **Plants, 25 cts.**

DIANTHUS

PLUMARIUS (Pheasant's eye pink). .Sweet clove scented, low growing, fringed flowers of pink and white. In great profusion during May and June. **Plants, 25 cts. each; $2.00 for 10.**

EUPATORIUM

Hardy Ageratum or Mist Flower. One of the prettiest perennials. From August until November it is completely covered with dense heads of flowers similar to Ageratum. Very good for cutting and for shipping to distant markets. **Ageratoides,** white, 3–4 ft. **Coelestinum,** blue, 2 ft. **Plants, 25c each; $2.00 for 10.**

GAILLARDIA

GRANDIFLORA. June to October; two feet. The beautiful single flowers are red in the center with clear yellow markings on outer edges of petal. **Plants, 25 cts. each; $2.00 for 10.**

GYPSOPHILA (Baby's Breath)

Paniculata—When in bloom in August and September it forms a symmetrical mass 2 to 3 feet in height and as much through, of minute white flowers having a beautiful gauze-like appearance. **Plants, 25c each; $2.00 for 10.**

PHLOX (HARDY)

One of the most important perennials. Does well in any soil. Produces large heads of fragrant flowers from early July to September. Height, 1 to 3 feet.

PANTHEON. Rose pink.
BRIDESMAID. White with pink eye.
JULES SANDREAU. Extra large pink.
IRIS. Light purple.
MISS LINGARD. Tall, pure white.
RHINELANDER. Immense salmon pink.
R. P. STRUTHERS. Bright rosy carmine with a claret red eye.
Plants, 25 cts.; $2.00 for 10. One each of the above seven for $1.50.

VARIOUS PHLOX

SUBULATA (Moss or Mountain Pink). An early Spring-flowering type with pretty moss-like, evergreen foliage, which, during the flowering season, in April and May, is hidden under the masses of bloom. An excellent plant for the rockery, the border, and invaluable for carpeting the ground. **Plants, 25c each; $2.00 for 10.**

AMOENA—This is one of the best varieties for carpeting the ground, the rockery or the border. It grows but 4 inches high, and in spring is a sheet of rich bright pink flowers. **Plants, 25c each; $2.00 for 10.**

PEONY ROOTS

Peonies are undoubtedly one of the most satisfactory species among the herbaceous perennials. Once established they require little care and reward the gardener with an abundanc of fragrant and beautifully colored blooms of great size each spring. We offer the following fine named varieties:

EDULIS SUPERBA. Deep pink. **50 cts. each.**
FELIX CROUSSE. Brilliant red. **$1.00 each.**
RUBRA SUPERBA. Crimson. **50 cts. each.**
FESTIVA MAXIMA. White. **60 cts. each.**

Peony

HIBISCUS

MALLOW MARVELS MIXED. 5 to 8 feet. June to September. Giant blooms of pink, white and red, frequently 6 to 8 inches in diameter. Unsurpassed for a background or hedge. **Plants, 25 cts.**

LINUM PERENNE

(Flax)—Blue flowers, borne on stems ½ foot. June through September. **Plants, 25c each; $2.00 for 10.**

HOLLYHOCKS

Six to eight feet; August to September. These are best treated as biennials. One of the most showy of all hardy garden plants, producing majestic spikes of large double or single blossoms, measuring 3 to 4 inches across.

DOUBLE. Plants may be had in crimson, maroon, Newport pink, salmon, white or yellow.

All the above plants, **25c each; 10 for $2.00.**

EXHIBITION PANSY PLANTS

A mixture of the finest color combinations and attractive forms of GIANT EXHIBITION PANSIES. **Plants, 10 cts. each; per doz., $1.00.**

IRIS GERMANICA

No other flower will give you more delight and enjoyment than the stately, graceful Fleur-de-Lis. They bring all the colors and tints of the rainbow to you and return each year in increasing numbers to glorify your garden at the time when spring flowers have gone, but summer flowers have not yet come.

Plant shallow, barely covering the roots, in the early fall. Give Lime or Bone Meal, but avoid fresh manure.

"Standards" are the upper petals, "Falls" the lower ones.

CELESTE. Standards lavender-blue.

FAIRY. White, delicately bordered and suffused pale blue. The tallest standard variety giving a white effect.

DR. BERNICE. Smoky lavender bronze.

FLAVASCENS. Pale lemon yellow.

FLORENTINA ALBA. White.

HONORABALIS. Standards vivid yellow, falls yellow marked cocoa-brown.

IRIS KING. Brown standards, coppery yellow falls.

KOCHI. Rich claret purple, early.

LOHENGRIN. Gigantic foliage and flowers. Deep violet mauve.

MME. CHERAU. White edged with bluish purple.

PALLIDA DALMATICA. Standards and falls clear lavender blue shading to pale silvery blue at base. Sweet scented.

PURPLE KING. Rich red purple.

RHEIN NIXE. Standards white, falls rich violet purple with distinct narrow white edge. Very large.

QUEEN OF THE MAY. Soft, rosy pink.

Roots, 30 cts. each, any 10, $2.50; 10 of one kind, $2.00.

POPPY (ORIENTAL)

Three feet; May and June. Flowers of gorgeous brilliancy.
SCARLET QUEEN. 30 cts. per plant; $2.50 for 10.
SALMON QUEEN. 35 cts. per plant; $3.00 for 10.

PRIMROSE (ENGLISH COWSLIP)

Dwarf growth with bright flowers in April and May. **Plants, (red or yellow) 25 cts. each; $2.00 for 10.**

PYRETHRUM (PAINTED DAISY)

Produces charming white, pink and rose colored daisy-like flowers from April through June. **Plants 25 cts. each; $2.00 for 10.**

SWEET WILLIAM

An old-time, hardy garden favorite, and so easily grown that it should have a place in all gardens.

MIXED. All colors.

SCARLET (EVERBLOOMING). A brilliant variety that blooms all summer. One of the very best perennials.

PLANTS, 25 cts. each; $2.00 for 10.

TUFTED PANSY

VIOLA, JERSEY GEM. One of the new and most valuable bedding Violas yet introduced. Well suited to our climate in which it will succeed in any good garden soil in a sunny position, blooming practically from May to the end of the season. Flowers are pure violet color with stems about 6 inches long.

VIOLA, Lutea. Bright yellow.

PLANTS, 30 cts. each; $2.50 for 10.

VERONICA (Speedwell) SPICATA. Long spikes of bright blue flowers during June and July; 18 inches. An excellent border plant. **Plants, 25c each, $2.00 for 10.**

PRICES POSTPAID

BOLGIANO'S DAHLIAS

PRICES POSTPAID

The Dahlia is one of the easiest flowers to grow and will thrive most anywhere, but it will respond wonderfully to care. The roots need a friable or loose soil to give their best results. The bed can be prepared as early in the spring as practical and some well-rotted manure worked into it and left until planting time, about May 1st.

The roots should be planted at least five inches deep, then a top dressing of sheep manure may be applied at the rate of 50 lbs. to 200 sq. ft. Dahlias are great feeders and also need plenty of water during the growing season.

When the plants are 18 in. high, tie them to stakes for support, using soft tape or raffia, as ordinary string will cut. When the buds appear, each main bud will have from two to four side buds which should be pinched off, as they are usually inferior and take strength from the main flower.

In making up this list of dahlias we selected those which we have found to be the best among the good varieties within reach of the average gardener's pocketbook. Size, form, color, keeping qualities and the length and strength of the stems have all been factors in the selection.

The Cactus Flowered Varieties

These have petals which are typically quilled. This makes them highly artistic in appearance because of their unconventional forms.

King Midas (Decorative)

Recent Introductions of Exceptional Merit

One Each Seven Listed, or $10.00, Postpaid

KING MIDAS (DECORATIVE). Conceded to be the largest, finest and most beautiful clear golden yellow dahlia in existence. In the Honor Roll of 1928 and again in 1929 and acknowledged one of the "Six Immortals." Has never been beaten in competition. **Roots, $5.00 each; 3 for $12.00.** These roots have never before been offered for less than **$10 each.**

ANDREAS HOFFER. A lovely narrow petaled Cactus of ideal form and soft tender coloring. A most delicate shade of pink with salmon suffusion passing to a creamy-white center. Its stiff, wiry, long stems and free habit of bloom make it invaluable for cut flowers as well as for garden decoration. **75 cts. each; 3 for $2.00.**

MARGARET MASSON (DECORATIVE). A wonderful exhibition variety, with very large full flowers on rigid stems. Color, a pleasing shade of silvery lavender pink. **$1.00 each; 3 for $2.50.**

MARGARET WOODROW WILSON (DECORATIVE). Immense size and fine form on stiff stems. Color, creamy white, suffused pink, reflex darker. Splendid exhibition flower. **$1.00 each; 3 for $2.50.**

QUEEN OF THE GARDEN BEAUTIFUL (DECORATIVE). Height, 5 ft. Color, primrose yellow. A massive bloom that has become most popular. **$1.50 each; 3 for $4.25.**

RADIO. This phenomenal Decorative Dahlia from Massachusetts is probably the largest Dahlia grown. It produces flowers eight to 12 inches in diameter, is a most attractive combination of deep crimson red, blending to yellow at the center with tips of gold. One we can recommend to the most critical Dahlia enthusiast. **$2.00 each; 3 for $5.50.**

ROMAN EAGLE (DECORATIVE). A typical autumn shade, a brilliant, flaming, burnished-copper color. Flowers large, held well above the foliage on long stiff stems, a very profuse bloomer. **$1.00 each; 3 for $2.50.**

The Decorative Flowered Varieties

In these, the flowers are full to the center. They are thick but not ball-shaped. The tips may be straight or turned down, and in some varieties the margins are slightly rolled back.

CUT FLOWER COLLECTION

One Each of Nine Listed for $4.50, Postpaid

AMUN RA, "The Sun God." This exceptional California Decorative is one of the finest Dahlias we have seen, possessing long, stiff stems and producing flowers on the favorite autumn shades that are so much in vogue. A blend of copper and bronze with orange and gold tints. **50 cts. each; 3 for $1.40.**

JEAN CHAZOT. A hybrid cactus of golden bronze with nasturtium red suffusion. Vigorous grower and profuse bloomer. **35 cts. each; 3 for 90 cts.**

JEAN KERR (DECORATIVE). A very profuse bloomer of pure white, borne on stiff stems. **35 cts. each; 3 for 90 cts.**

JERSEY'S BEAUTY (DECORATIVE). The large, full pink blooms, petals curving backward so that the outer ones seem almost to touch behind, and the proud erect carriage of the flower on long, stiff stems mark this dahlia as an aristocrat among its kind. **75 cts. each; 3 for $2.00.**

MRS. CARL SALBACH. The beautiful lavender pink Decorative Dahlia from California. This sensational Dahlia has a remarkably long stem, making it excellent for cut flower purposes. **50 cts. each; 3 for $1.40.**

MRS. I. de ver WARNER. (DECORATIVE). A very large flower of mauve pink. The form is really beautiful and the stems are long and stiff. It had great prominence at all the dahlia shows last fall and always commanded admiration. **50 cts. each; 3 for $1.25.**

MRS. C. D. ANDERSON. Greatly admired hybrid show. Gigantic crimson purple. Excellent cut flower variety, of perfect formation. Long stiff stems and a splendid keeper when cut. Like a giant "American Beauty." **50 cts. each; 3 for $1.25.**

SAGAMORE (DECORATIVE). Height, 5 feet. Amber gold, slightly suffused salmon rose and orange buff. Large and fine. **$1.00 each; 3 for $2.50.**

VENUS (DECORATIVE). Color, pale lilac; flowers of good form from 6 to 7 inches across, and produced freely on long stiff stems. **30 cts. each; 3 for 75 cts.**

Andreas Hoffer (Cactus)

Raffia for tying dahlia plants to stakes, 1 lb. 50 cts; 5 lbs. $2.

DAHLIA STAKES

4 ft. Wooden stakes	.15 ea.	$1.40 doz.	$10.50 per 100
6 ft. Wooden stakes	.25 ea.	2.50 doz.	16.50 per 100
4 ft. Bamboo, heavy	.05 ea.	.50 doz.	3.50 per 100
8 ft. Bamboo, heavy	.10 ea.	1.00 doz.	7.00 per 100

Adjustable Metal Supports (See page 83)

Bashful Giant (Decorative)

GIANT DAHLIA COLLECTION

BASHFUL GIANT. Flowers 7 to 10 inches in diameter, of perfect formation, and an exquisite blend of apricot with buff and gold tints. This immense Connecticut creation is not only one of the largest Dahlias in existence, but is one of the best. **50 cts. each; 3 for $1.40.**

ELIZABETH SLOCOMBE. Another Decorative from Connecticut. The largest and best of its color to our knowledge. Immense flowers of brilliant purplish-garnet. Strong, vigorous grower, ideal for cutting. Highly recommended. **50 cts. each; 3 for $1.25.**

GEORGE WALTERS.—Wonderful Hybrid Cactus Dahlia from California, of gigantic size and considered one of the finest Dahlias grown. A most beautiful shade of salmon pink, artistically blending old rose. Most desirable for all purposes. Flowers six to nine inches in diameter. **50 cts. each; 3 for $1.40.**

MILLIONAIRE. A giant lavender, shading to white at the center. Dwarf grower. Flowers from five to ten inches in diameter. Very popular Decorative. **35 cts. each; 3 for $1.00.**

MRS. ETHEL F. T. SMITH. Mammoth cream white Hybrid Cactus Dahlia from California. Very long, pointed petals, making it distinct in shape from other varieties. Irregular formation. Strong, sturdy grower. **50 cts. each; 3 for $1.40.**

PRIDE OF CALIFORNIA. Gigantic flowers of rich "American Beauty" red, very tall, vigorous grower. Perfectly formed flowers. (Decorative). **50 cts. each; 3 for $1.25.**

One of each of the above Giant Dahlias for $2.75, postpaid. One each of Bashful Giant, Millionaire and Pride of California for $1.00.

CHOICE DECORATIVE DAHLIAS

One Each Five Listed, $3.00, Postpaid

BONNIE BRAE. Cream shaded bluish pink; very large; free bloomer on long, slender stems. **50 cts. each; 3 for $1.25.**

CHAMPAGNE. Size 8 by 4 inches. Height, 6 feet. Autumn shades, from burnished copper to chamois. **75 cts. each; 3 for $1.75.**

DELICE. Size, 5 by 2 inches. Height, 4 feet. Still one of the loveliest of this class, on account of its wonderful color; a bright luminous pink, entirely distinct. The flowers are held facing, well above the foliage, on straight stiff stems. **25 cts. each; 3 for 60 cts.**

ELSIE DANIELS. A magnificent new decorative of large size and beautiful formation. A strong, vigorous grower. Color, soft silvery pink. 4 feet. **75 cts. each; 3 for $1.75.**

JERSEY'S BEACON. Very large, bright scarlet with a buff reflex; splendid form and a free, continuous bloomer. **$1.00 each; 3 for $2.50.**

CHOICE CACTUS DAHLIAS

One Each Eight Listed, for $3.25, Postpaid

ATTRACTION. Better than Castleton. A beautiful dahlia that is greatly admired. The flowers, which measure fully six inches in diameter, are composed of gracefully arranged curled or twisted petals of a lively, yet soft, silvery mauve rose with white suffusion. **50 cts. each; 3 for $1.25.**

CIGARETTE. A white dahlia of striking form; petals tipped with pomegranite red. The combination suggests the glowing ends of lighted cigarettes. **75 cts. each; 3 for $2.00.**

COUNTESS OF LONSDALE. Yellow, suffused salmon red, overlaid lavender. Early and profuse bloomer. **35 cts. each; 3 for 90 cts.**

F. W. FELLOWS. Flowers of immense size. Composed of many long, narrow incurved petals of a lively orange scarlet. **50 cts. each; 3 for $1.25.**

GLADYS BATES. Beautifully formed flowers of tan, with rose on the reverse of the petals. **50 cts. each; 3 for $1.25.**

LIBELLE. Another grand variety of medium size, a profuse bloomer. Color, a beautiful aster purple; very effective. **20 cts. each; 3 for 50 cts.**

MRS. C. H. BRECK. Rare Hybrid Cactus Dahlia from Massachusetts. Carmine rose with blend of rich sulphur yellow. Attractive and most unusual combination of colors. Excellent stems. Ideal for cutting. **50 cts. each; 3 for $1.40.**

REINE CAYEUX. Cac. Size 3½ by 2½ inches. Height, 3 feet. Brilliant glowing red. Extremely profuse bloomer. **35 cts. each; 3 for 90 cts.**

NEW PEONY-FLOWERED DAHLIAS

The artistic flowers are very large and are best compared to the semi-double Peonies in general form.

CAMILLE FRANCHON. An intense aniline red deepening to a rich garnet. It is of the duplex peony type and approaches the single type in appearance, although it has two rows of petals. Its unusual form is most entrancing and its charm is impossible to describe. **35 cts. each; 3 for 90 cts.**

ROSALIA STYLES. Colossal peony flowered and the best pink of its class. Beautiful form, stiff stems and a continuous bloomer. It grows about five feet tall. The flower is tyrian pink, tipped lighter. It is rare and beautiful and will delight all dahlia lovers. **35 cts. each; 3 for 90 cts.**

SUPERB DOUBLE SHOW DAHLIAS

This is the old-fashioned densely double type which will always have many admirers. They have round ball-shaped, compact blooms.

A. D. LIVONIA. Clear cerise pink, quilted petals. A free bloomer and a great favorite. **25 cts. each; 3 for 60 cts.**

GOLD MEDAL. Deep golden yellow tipped and suffused Oriental red. Splendid form, very striking and effective. **50 cts. each; 3 for $1.25.**

MAUD ADAMS. Size 4 by 3½ inches. Height, 4 feet. One of the most delicately lovely of this class, being a clear shell pink. It is beautifully formed and an early and free bloomer, on fine stiff stems **35 cts. each; 3 for 90 cts.**

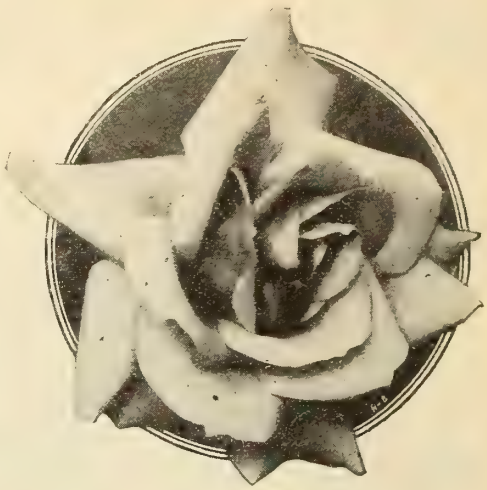
MIXED DAHLIAS

This mixture contains many good varieties and some very fine ones which have become mixed while digging the roots. **3 for 50 cts.; $1.50 per doz.**

Amun Ra, "The Sun God" (Decorative)

STRONG TWO-YEAR OLD FIELD GROWN ROSES

Our stock is budded on Japonica Multiflora roots which are conceded to be the best stock for budding roses on by most of the leading rose growers. These roses will start right off into vigorous growth and bloom lavishly next summer, making more growth and giving more blooms than possible to roses on their own roots.



IMPORTANT. After April 30th it is inadvisable to move budded roses unless potted. This is because they will have started growth at that time and due to their large roots cannot be moved safely while growing. Because of this, after April 30th we will supply 2-year-old budded roses that were potted last November and which will be growing strongly when delivered. Handled in this manner they will go on growing and blooming undisturbed. It will be well worth while to spend a little extra on these fine potted plants if you have delayed ordering too long.

FIVE NEW EVERBLOOMING ROSES

Add 25 cts. each for potted plants of these five. Express extra.

DAME EDITH HELEN. A great full rose of Paul Neyron pink whose fragrant old rose perfume, now so rare, is as great an attribute to its popularity as its large, beautiful form. **$1.25.**

ETOILE de HOLLAND. A deep velvety crimson rose of good size, cup shaped, and fragrant. The long buds are borne on long stems. The color is such a deep soft crimson that it is restful to the eye and harmonizes with any color. **$1.25.**

REVEREND F. PAGE ROBERTS. A large, double, beautifully formed rose of Indian yellow covered with carmine on the reverse of the petals. The buds are yellow splashed with carmine. **$1.25.**

SHOT SILK. Blending from yellow at the base to carmine tips through a gamut of pastel shades that defies description. **$1.25.**

VILLE de PARIS. A brilliant buttercup yellow, fragrant and free blooming. Long buds are borne on tall bushes rich with holly-green foliage on wiry, attractively bronzed stems. Said by many to be the best clear yellow garden rose. **$1.25**

Any three of the above for $3.50.

EVERBLOOMING HARDY HYBRID TEA ROSES

Two-year-old dormant roses (can be supplied until April 30th). **$1.00 each, 3 for $2.75; 6 for $5.00; $9.50 per doz., postpaid.**

After April 30th we will supply the potted plants as described above at $1.25 each, 3 for $3.50; 6 for $6.25; $12.00 per dozen. These will be shipped in paper pots by express or parcel post. Express and parcel post charges are extra. **We cannot ship roses C. O. D.**

ANTOINE REVOIRE. Blooms of rosy flesh color on a yellow ground, edged with deep carmine and having a yellow base. Vigorous.

BETTY. Coppery rose overspread with golden yellow. Deliciously fragrant.

COLUMBIA. Lively, bright pink, sweetly scented flowers of exquisite shape and strong, stiff petals, deepening in color as they expand. Free flowering, good growth, and healthy foliage.

DUCHESS OF WELLINGTON. Enormous, tapering buds of golden orange, slowly opening to very large saffron-colored, sweetly fragrant roses of great size and substance. Plant very vigorous, healthy, and liberal with its flowers.

FRANCIS SCOTT KEY. Extremely large, crimson red blooms. Very sturdy, in both spring and fall.

GEORGE C. WAUD. Large, full globular flowers of glowing vermilion. An excellent garden rose, very vigorous, free flowering and dependable.

JONKHEER J. L. MOCK. Carmine buds of gigantic size, opening very slowly to enormous blooms of deep carmine pink, against which the reflexing petals show an inner surface of silver rose. Plant is strong and healthy.

KAISERIN AUGUSTE VIKTORIA. Well-formed, creamy buds which develop slowly to blooms of absolutely perfect form; snowy white with a slight tint of lemon at center; fragrant. Plant moderately vigorous, free blooming and hardy.

KILLARNEY QUEEN. Large, well formed buds and blooms of bright pink. A vigorous grower and dependable bloomer. Very beautiful when cut in bud form.

LADY ALICE STANLEY. Massive buds and blooms of very large size, fully double and very sweet; outside of petals coral rose; inside, pale flesh-pink. A strong-growing, free-blooming plant with broad, deeply veined leaves unusually free from disease.

LADY ASHTOWN. One of the best garden Roses and a fine long-lasting cut flower. Flowers large, sweetly scented, of a pleasing carmine-pink shading to a golden-yellow base.

LADY HILLINGDON. A rich golden yellow tea rose that blooms continually. Its semi-double cup-shaped blooms hold their color exceptionally well and exhale a sweet fragrance. The bush is erect, almost thornless, bronzy branches and deep green foliage.

MME. BUTTERFLY. Delicately modeled but large flowers of soft light pink. Each stem holds a candelabra of five or six blooms and is in itself a perfect bouquet.

MRS. AARON WARD. Delightful little buds of golden buff opening to fully double, attractively shaped flowers of tawny gold and pink with an agreeable fragrance. The plant is dwarf, spreading with very healthy holly-like foliage.

RADIANCE. Brilliant rose-pink buds, opening to well-formed shining flowers with lighter tints on the reverse of the petals; globular in shape and very fragrant. The plant makes splendid growth, has wonderful blooming qualities.

RED RADIANCE. An even better Rose than its parent. Radiance in habit, bearing big, globular flowers of deep rose-red on strong, individual canes which are freely produced all summer until frost. Foliage excellent.

SOUVENIR de CLAUDIUS PERNET. A very large, full, beautifully formed flower of sunflower-yellow. Large, glossy foliage.

TALISMAN. A most remarkable piece of coloring, a combination of shadings of gold, apricot, yellow, deep pink and old rose. Free blooming and vigorous. **Price, $1.50.**

CLIMBING ROSES

Prices Are the Same as Bush Rose Prices.

CLIMBING AMERICAN BEAUTY. Brilliant carmine flowers of especially fine form and rich perfume, borne singly or in threes on a moderately growing, healthy plant.

DR. W. VAN FLEET. Pale pink buds and flowers equal in form and size to the finest Hybrid Teas, borne on lone, individual stems. The plant makes enormous thorny canes and produces thousands of flowers. Perfect foliage.

EMILY GRAY. An early, yellow rose, borne in small bouquets; however the flowers are fairly large and the foliage attractively holly-like. A robust grower and good bloomer. Much more dependable than Marechal Neil in the latitude of Washington, D. C., or farther north.

CLIMBING LADY ASHTOWN. Large, well-formed flowers of pale carmine pink with golden yellow at the base. Very dainty and attractive. Blooms all summer.

MARY WALLACE. Long buds and charming flowers of brilliant warm pink. Originated by Dr. W. Van Fleet and considered a better rose than the one which bears his name. Blooms all summer.

PAUL'S SCARLET CLIMBER. The most brilliant rose known. Large semi-double flowers of a clear vivid scarlet that swarm over the dark-green foliage like balls of fire.

SILVER MOON. In June this rose is a dream of beauty, with its myriad long pointed buds of pale yellow and lovely semi-double flowers of pure white. The deep, rich, glossy green foliage forms a very effective setting for this wealth of beauty.

ZEPHIRINE DROUHIN. An excellent pillar rose or low climber, having well-formed bright silvery pink semi-double flowers of good size and exquisite perfume. The young foliage is bronzy green and the plant is vigorous and nearly thornless. Blooms all summer.

Bolgiano's Bulbs for Spring Planting

Bolgiano's Magnificent Gladioli

A group of these gorgeous "glads" in your garden at some conspicuous point will certainly aid in making your garden dream come true. If you have a shrubbery border that needs livening up, plant groups of Gladioli Bulbs every two weeks from April 15 until July 1, and you will have bright masses of color all summer.

THE WAY TO PLANT. Dig the row or bed from 8 to 10 inches deep, then spread a liberal amount of good fertilizer in the bottom of the row or bed, then rake it in thoroughly before planting your bulbs. The bulbs after being planted should then be covered from 4 to 6 inches deep. Plant 6 inches apart. Just as soon as they show their heads through the ground, they should be cultivated. If this is continued once a week till they commence to flower, one will be sure of first-class results.

All the Bulbs Listed Below Are Extra Large, Healthy Bulbs. We Pay the Postage.

AMERICA. The beautiful lavender pink flowers are borne on long stems and are firmly placed on the spike. **6 cts. each; 12 for 60 cts.; 50 for $2.00; $3.50 per 100.**

CRIMSON GLOW. Deep crimson blooms with a rich glowing sheen. Most attractive flowers, borne on strong, upright stems. Fine for garden display and for cutting. **10 cts. each; 6 for 55 cts.; $1.00 doz.; 50 for $3.50.**

DUCHESS OF YORK. A color that will appeal to many—rich pure blue. Fine, long spikes **12 cts. each; 6 for 60 cts.; $1.15 doz.; 50 for $4.00.**

EVELYN KIRTLAND. Rosy pink, darker at the endges, fading to a shell pink at the center, with brilliant scarlet blotches on lower petals. **10 cts. each; 6 for 55 cts.; $1.00 doz.; 50 for $4.00; $7.00 per 100.**

GOLDEN MEASURE. The best yellow. Large blooms of dark golden yellow. **15 cts. each; 6 for 80 cts.; $1.50 doz.; 50 for $5.50; $10.00 per 100.**

HERADA. Giant blooms of mauve with darker markings in the throat, borne on tall, straight spikes. **10 cts. each; 6 for 50 cts.; 90 cts. doz.; 50 for $3.25; $6.00 per 100.**

LE MARECHAL FOCH. Rose pink, deeper and better than America. Early bloomer. **6 cts. each; 60 cts. doz.; $4.50 per 100.**

MARY PICKFORD. Very dainty. Delicate creamy white with throat suffused with soft canary yellow. **10 cts. each; 6 for 55 cts.; $1.00 doz.; 50 for $3.50.**

MRS. DR. NORTON. Pure soft white with tips of petals suffused pink. An exquisite variety. **10 cts. each.; $1.00 doz.; $7.00 per 100.**

MRS. FRANCIS KING. Vermilion scarlet. An old favorite because of its brilliancy. **6 cts. each; 60 cts. doz.; 50 for $2.25; $4.00 per 100.**

MRS. FRANK PENDLETON. Flushed salmon pink with rich maroon blotch on three lower petals. **6 cts. each; 60 cts. doz.; 50 for $2.25; $4.00 per 100.**

ODIN. Salmon with dark blotch. Better than Halley. **10 cts. each; 85 cts. doz.; $7.00 per 100.**

PEACE. Very large, nearly white, with pale violet feathering on lower petals. Flowers correctly placed on a tall, graceful spike. **7 cts. each; 6 for 35 cts.; 60 cts doz.; 50 for $2.25.**

WILBRINK. Creamy rose. One of the earliest. **7 cts. each; 70 cts. doz.; $5.00 per 100.**

Mrs. Frank Pendleton

RUFFLED GLADIOLI

These varieties have waved and ruffled blooms and are beautiful beyond description.

E. J. SHAYLOR. Tall, beautiful deep rose pink. **10 cts. each; $1.00 doz.; $7.00 per 100.**

MRS. H. E. BOTHIN. Light geranium pink, heavily ruffled. Flamed scarlet center. Strong, well built spikes. First-class show and cut flower variety. A sensation wherever produced. **15 cts. each; $1.50 per doz.**

ORANGE GLORY. Bright orange with slight purple and white markings in throat. **15 cts. each; $1.25 doz.; $10.00 per 100.**

CAPITOL CITY MIXTURE. A mixture of many splendid exhibition varieties, including only those rarer flowers of exceptional beauty of form and coloring. **6 for 30 cts.; 50 cts. per doz.; 50 for $2.00; $3.50 per 100.**

TUBE ROSES

EXCELSIOR PEARL—LARGE BULBS. Deliciously fragrant white flowers. Plant in the garden as soon as all danger from frost is past. **5 cts. each; 12 for 50 cts., postpaid; 50 for $2.00; or 100 for $3.50.**

Calladium or Elephant Ears

CALLADIUM (ELEPHANT EARS)

Wonderful plants for lawns, borders or backgrounds. They will grow in any garden soil and are no trouble at all. To obtain the maximum growth they should be planted in rich soil where they will get plenty of water. A full-size plant will stand six feet high and bear immense leaves three to four feet long by twenty-seven inches wide. They should not be planted outdoors until May 1, but to get them into early growth they can be started in pots in the house.

MAMMOTH BULBS. 30 cts. each; $3.00 doz.

LARGE BULBS. 15 cts. each; $1.50 doz.

Add 10 cents each for postage; in lots of 6 or more add 5 cents each.

CINNAMON VINE

A hardy climber which grows very rapidly. The foliage is bright green in color and the white flowers are cinnamon-scented. **10 cts. each; 3 for 25 cts.; 12 for 90 cts., postpaid.**

MADEIRA VINE

A very quick-growing vine, bearing fragrant white flowers. **10 cts. each; 3 for 25 cts.; 12 for 85 cts., postpaid.**

GLADIOLUS, by F. F. Rockwell. Recommended as "the best brief guide on gladiolus growing." It tells how to plant, fertilize, and cultivate; how to grow from seed or bulblets; how to harvest and cure; how to handle for cut flowers; and every other detail needed for success with this popular flower. 45 illustrations. 79 pages. **$1.00.**

Prices Postpaid

Bolgiano's Cannas

Prices Postpaid

These wonderful bedding plants give uniformly good results in all sections of the country. They succeed in any sunny position, in any kind of soil, but will repay liberal treatment. For best results spade the beds 2 feet deep, and incorporate in the soil a liberal amount of well-decayed manure of any kind. Water well at all times. The best effect is given by planting large masses of one color, setting the plants 18 inches apart.

One Each of the Ten Cannas Listed for $1.00, postpaid.

CITY OF PORTLAND. This fine and stately Canna enjoys the greatest popularity. The plants make a strong, upright growth, 3½ feet tall. Contrasting with the rich, deep green foliage are flowers of a bright pink color. **15 cts. each; 6 for 75 cts; $1.35 per doz.**

EUREKA. Eureka is a beautiful creamy white Canna with large bold flowers borne on plants 4½ feet tall. The individual petals are heavy and substantial. The foliage is rich dark green. **15 cts. each; 3 for 40 cts.; 6 for 70 cts.; $1.25 doz.**

HUNGARIA. Extra large flower-trusses of heavy substance, carried on strong stems. The blooms are a magnificent rose-pink shade; grows from 3 to 3½ feet. **15 cts. each; 6 for 75 cts; $1.35 doz.**

KING HUMBERT. Large purplish brown foliage with a metallic sheen, forming a sharp contrast to the orange-colored blooms. It is a most striking Canna of stately habit and the color combination of the foliage and flowers gives a striking effect. Height, 4½ feet. **10c each; $1.00 doz.**

MRS. ALFRED F. CONARD. Gigantic flowers borne in immense clusters; color, delightful salmon pink, a shade which becomes more brilliant as the flower develops; foliage light green; 4 feet. **15 cts. each; 6 for 75 cts.; $1.35 doz.**

RICHARD WALLACE. Large, showy, pure canary yellow flowers carried on good stems; green foliage; 4½ feet. **10 cts. each; $1.00 doz.**

THE PRESIDENT. This splendid variety produces immense flowers of a rich, glowing scarlet; superior in quantity and quality of bloom to any other red variety; green foliage; 4 feet. **15 cts. each; 3 for 40 cts.; 6 for 70 cts.; $1.25 doz.**

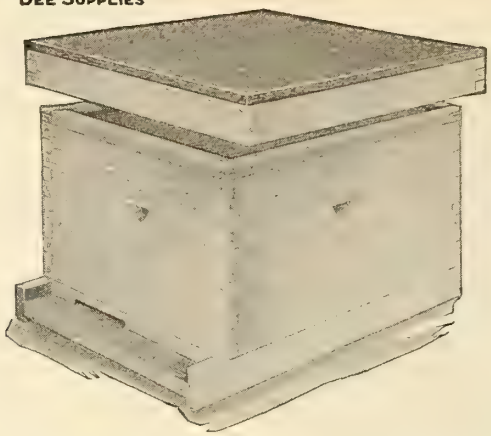
WINTZER'S COLOSSAL. Flowers frequently eight inches in diameter; bright scarlet; very effective, free-flowering bedding variety, 5 feet. **15 cts. each; 3 for 40 cts.; 6 for 70 cts.; $1.25 doz.**

WYOMING. Immense spikes of large massive orange colored flowers; bronze foliage; 6 feet. **10 cts. each; $1.00 doz.**

YELLOW KING HUMBERT. A sport of the well-known bronze-leaved variety, but with green foliage; about 4½ feet high, with masses of golden yellow flowers, dotted red; occasionaly some will be streaked red. **15 cts. each; 3 for 40 cts.; 6 for 70 cts.; $1.25 doz.**

Fragrant Double Pearl

Root Quality Bee Supplies



The A. I. Root Company, leaders in the manufacturing of bee supplies for over half a century, and today the largest bee supply manufacturers in the world, are represented by us in this territory. It is a pleasure for us to sell Root Quality Bee Supplies, and their guarantee assures you of absolute satisfaction.

Modern beehives with movable frames, and all of the other improvements which have come along with them, have entirely changed the methods which beekeepers employed when old-style equipment was used.

The rapid manipulation of bees by the up-to-date honey producer requires, above everything else, interchangeable parts made with such precision and accuracy that proper bee-spaces are preserved between the different units of the hive. Joints must fit close. Frames must fit without crowding and stay in place. It is such equipment as this that we offer our customers below.

Standard 10-Frame Hive

Cat. No.	Furnished as follows:	Quan.	Wt.	Price
H22222	Standard hive with metal cover, 10 frames, no foundation	1 KD	46	$3.20
H22223	Standard hive with metal cover, 10 frames, no foundation	5 KD	185	14.20
H22552	Supers, without sections or foundation	1 KD	10	1.60
H22553	Supers, without sections or foundation	5 KD	47	7.40

Locked-Corner.

Frames in the Flat

		Per 10	Per 50	Per 100	Wt. 100
H2910	Hoffman, 9⅛ x 17⅝	$0.65	$2.70	$5.30	46 lbs.

Smokers

F421 Jumbo tin smoker, 4x7 ins., $1.25; 3 lbs. wt. bxd.

F423 Standard tin smoker, 3¼x7 ins., $1.00; 2 lbs., wt. bxd.

AIRCO COMB FOUNDATION

One 10 sheet box—3 ply, $1.05; 1 lb. thin super 80c.

One 50 sheet box—3 ply, $5.00; 5 lbs. thin super, $3.75.

Sections

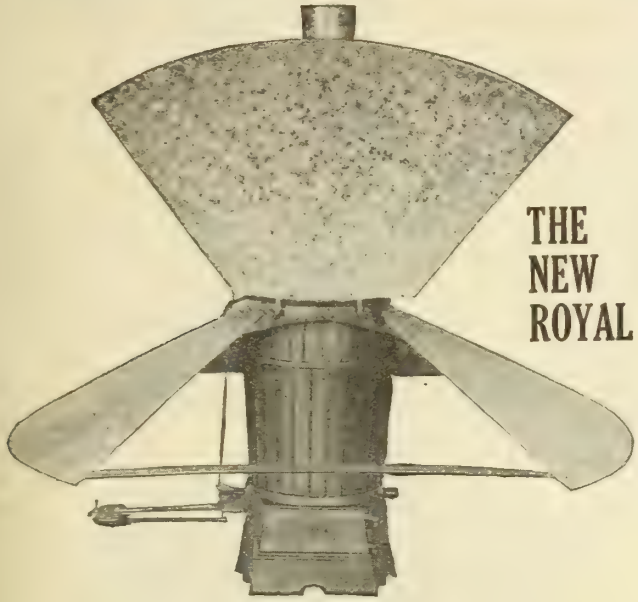
Quan.	4¼x4¼x1⅞	Price	Ship. Wt.	4x5x1⅜	Price	Ship. Wt.
100	H2440	$1.30	7 lbs.	H2450	$1.20	6 lbs.
250	H2441	3.15	17 lbs.	H2451	2.95	13 lbs.
500	H2442	6.25	31 lbs.	H2452	5.75	28 lbs.
1000	H2443	12.50	62 lbs.	H2453	11.50	56 lbs.

Write for Big 48-page Bee Supply Catalog—It is FREE

TUBE ROSES

EXCELSIOR PEARL. LARGE BULBS. Deliciously fragrant white flowers. Plant in the garden as soon as all danger from frost is past. **5 cts. each; 12 for 50 cts., postpaid; 50 for $2.00; or 100 for $3.50.**

STOP! LOOK THIS OVER— The World's Most Startling BROODER VALUE!



The new Royal has all the modern features and meets all competition. It is the best brooder on the market. Extra heavy grates, extra coal capacity, and a fire box shaped scientifically correct, make it the first choice of all poultrymen. Canopy is removable and is especially easy to handle because of the hinged feature. Double filled wafer Thermostats control both check and lower draft dampers. No. 5 and No. 6 brooders have canopies with front quarter hinged. No. 7 brooder has folding canopy, front half can be raised and fastened to band around pipe. All have cast canopy rings and outer edge of canopy wire bound. 5-inch pipe size. No. 7 stove enameled moss green.

All Royal Brooders are guaranteed to be satisfactory as to material and workmanship and sold on a money-back guarantee.

No.	Chick Cap.	Coal Cap.	Size Hover	Height	Diam. Grate	Shipping Weight	Price
5	500	44 lbs.	52″	23″	9½″	100 lbs.	$15.95
6	1000	58 lbs.	56″	25″	10¾″	120 lbs.	19.95
7	1500	73 lbs.	60″	33″	12½″	163 lbs.	26.95

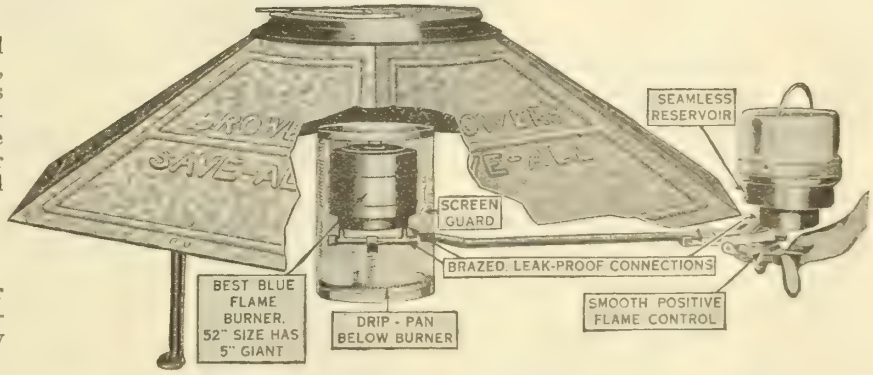
Bolgiano's "Sani-Safe" Improved Wickless Blue Flame Valveless Oil-Burning Hover

DEPENDABLE

BOLGIANO'S "SANI-SAFE" HOVER will help raise a greater percentage of strong, healthy chicks. Its scientific construction gives a continuous circulation of fresh, warm air under the canopy at the proper temperature without danger of chicks being smothered or retarded in growth by poisonous gases, oil fumes, being overheated, or chilled.

COSTS LESS TO OPERATE

One gallon of oil will run the Brooder for twenty-four (24) to thirty-two (32) hours, depending on the number of chicks under canopy and outside temperature.



NO VALVES

This machine is hand-operated and the height of flames is regulated by simple lever which raises or lowers the oil level in the reservoir.

CONVENIENT

Requires very little attention. Easily set up, lighted, generates rapidly, and flame adjusted in few minutes.

Feed Pipe is large one-half-inch pipe, and leak-proof. Cap on the end of this Feed Pipe makes it very convenient for cleaning.

Canopy—Our New Improved HEXAGON CANOPY is very strongly made and rigidly reinforced. Being constructed of six pieces it is not as flimsy as other type Canopies made of only four pieces. Substantial Stamped Steel Legs. Entire Canopy can be set up quickly. All holes being machine-punched insures their fitting properly.

SEND YOUR ORDER IN EARLY

So as to have Hover at least forty-eight hours to one week before arrival of chicks.

BROODER COMPLETE WITH CANOPY

Bolgiano's masterpiece in designing an inexpensive oil brooder that will give long and satisfactory service. Supplies more heat at less fuel cost, than many higher priced brooders. All unnecessary parts eliminated—every part perfected and there because it is needed for the safety of the chicks.

No.	Size	Capacity	Weight	Price
137	38 in.	250	36 lbs.	$ 9.50
147	48 in.	500	42 lbs.	10.50
157	58 in.	1000	47 lbs.	11.50

POSITIVE AUTOMATIC CONTROL

Watches Chicks Like a Mother Hen

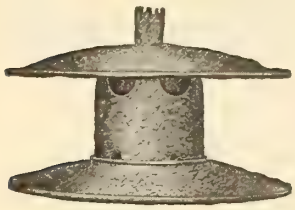
(Same as above with Thermostat)

The Thermostat is the brain of the Automatic Hover. Its remarkable and instant response to the slightest change in temperature is instantaneous and positive.

No.	Size	Capacity	Weight	Price
137	38 in.	250	36 lbs.	$12.50
147	48 in.	500	42 lbs.	14.50
157	58 in.	1000	47 lbs.	15.85

Extra Asbestos Wick, postpaid, 35c; three (3) for.....$1.00

Don't crowd your chicks! Buy a size larger than required. Difference in price is negligible.



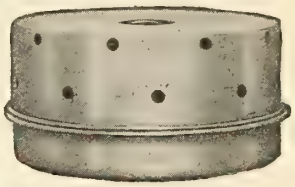
Brooder Heater

Galvanized, each $4.75

Mailing weight, 5 lbs.

This fire-safe Putnam Brooder-Heater is the heart of the Putnam Home-Made Brooder. It requires tending only once a week and can be relied on to deliver a regular supply of heat. This practical brooder is made of a shoe box approximately 32 inches long, 16 inches wide and 10 inches deep. It will accommodate from 30 to 60 chicks. The entire cost, including the Putnam Brooder Heater need not exceed $4.96.

THE LITTLE PUTNAM STOVE



Galvanized, each $2.00

Mailing weight, 3 lbs.

The Little Putnam Stove is used under the drinking vessel in the poultry house to keep the water from freezing during winter months. It is also used as the heat element in the Putnam Home-made Oat Sprouter. The Little Putnam Stove does not furnish hot water to the birds, but water at that tonic temperature which they best relish. Plenty of such drinking water increases the amount of food digested and assimilated, thus promoting the growth and increasing the egg supply.

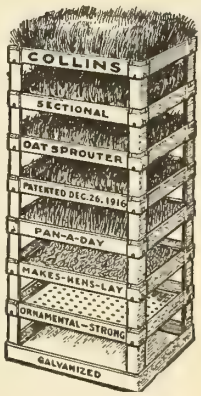
Electric Heater

Needs No Attention—Safe and Economical

Cost averages about a cent a day. Can be used with any type fountain, pan or bucket. Extra eggs soon pay for this wonderful Heater, $2.50.

Mailing weight, 2 lbs.

Collins Oat Sprouter



This Oat Sprouter will supply green food for 150 hens.

Sprouted oats are recognized as the only practical, sensible and effective way of furnishing poultry green feed.

Made of galvanized iron.

Nests in Corrugated Boxes 4 Inches High

5 Pans—11x15, small back yard size. Weight 9 lbs. **$3.00**
8 Pans—11x15, the Popular Size. Weight 14 lbs. **4.00**
8 Pans—11x32, for BIG Business. Weight 28 lbs. **8.00**

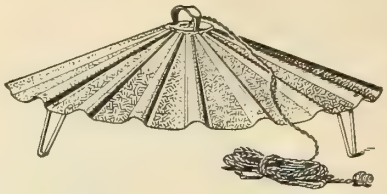
GLASS CLOTH

ADMITS THE SUN'S ULTRA-VIOLET RAYS
STRONG, DURABLE

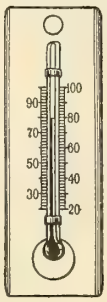
Transparent, Waterproof, Weatherproof
Ideal for Hot Beds, Barn, Hog House and Garage Windows, Repairs, etc.

36-in. wide at **40c sq. yd.**

Royal Electric Brooder



H-51—50 to 75-chick capacity. Trouble-proof, practical and inexpensive electric brooder, with heating unit, attaches to any socket. Canopy 24 inches in diameter; made from heavy galvanized steel and supported by strong steel legs. Complete with 10 feet of cord and screw plug.
Weight, 8 lbs. **$3.00**



INCUBATOR AND BROODER THERMOMETERS

Incubator, Metal, folding legs	$ .75
Incubator, Metal, solid stand	1.00
Brooder, Wood	.75
Brooder, Metal	.50
Moisture Gauge for Incubators	1.50

Celluloid Leg Bands

Made in sizes to fit all breeds, even chicks and pigeons. Colors—black, white, blue, red and green. When ordering state breed and color wanted.

12 for	15 cts.	50 for	35 cts.
25 for	25 cts.	100 for	65 cts.

Leg Bands

ADJUSTABLE

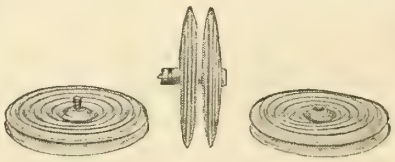
Numbered 1 to 12	15 cts.	1 to 50	35 cts.
1 to 25	25 cts.	1 to 100	65 cts.

Reliable Poultry Bands

In colors with printed numbers. Made of aluminum with colored numbered inserts. Adjustable. Supplied in colors: Red, White, Blue, Yellow and Green and with numbers from 1 to 100 in all the colors. Packed in envelopes.

1 to 12	30 cts.	1 to 50	$1.00
1 to 25	60 cts.	1 to 100	$1.90

RELIABLE BRASS WAFER THERMOSTATS FOR ANY INCUBATOR OR BROODER



3-inch	$ .50
4-inch	.75
5-inch	1.00

Postage paid

Made in double unit style. They are made of a special tempered brass, vacuum filled and timed to meet their special requirements, so that each and every wafer under a like condition will function the same. They are sensitive, accurate and durable.

Cel-O-Glass

REINFORCED WITH WIRE

The real glass substitute for poultry houses, chicken coops, barns, hot beds, etc. It is flexible, can be bent double, creased and then opened flat again without the slightest damage. Tack it on as you would wire netting. Admits Ultra-Violet Rays of the Sun which is very essential; **15c** per sq. ft. Rolls of 100 ft., 36 in. wide at **13½c** per sq. ft.

Lectro-Hatch Electric Incubator

65 egg size $23.50
150 egg size 38.00
300 egg size 67.00
600 egg size 118.00

Electricity is the ideal heat, without the care, fumes, dirt, and DANGER OF FIRE which you are sure to find in other style machines. Day or night, warm weather or cold, your temperature never varies, but stays steady and even, right where you set it. Think what this means! No lamps to fill, no wicks to trim, no coal to carry, no work or worry of any kind—everything automatic. Costs less than a cent an egg to operate. Lasts a life time.

Lectro-Hatch Electric Brooders

IT'S ALL BROODER—NO LAMP, NO STOVE!

150 chick size (28-inch diameter) $18.00
500 chick size (40-inch diameter) 22.00

Ideal Electric Incubators

85-egg $20.95
150-egg 24.95
250-egg 32.50
400-egg $43.95
600-egg 63.50

Ideal Oil Heated with Underwriters label, same sizes, $4.00 less than electric, all have patented turning trays.

Ideal Electric Brooders

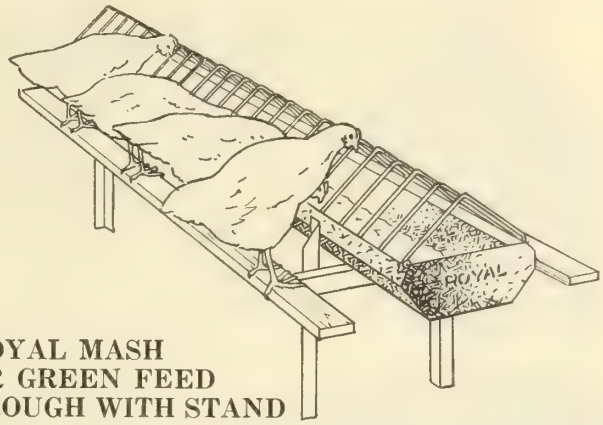
22-in canopy, 150-chick $12.00
32-in. canopy, 250-chick 15.00
42-in. canopy, 500-chick 20.00
52-in. canopy, 1,000-chick 25.50

Newtown Colony Brooder

The Newtown is the original Coal - burning, Self - feeding, Self - regulating Colony Brooder — the machine which actually revolutionized poultry raising — which has been imitated but never equaled.

Through years of practical tests and use under all conditions it has been brought to a point of perfection in the details of construction. The Newtown is not an experiment—it has made good.

Size.	Diameter Deflector.	Weight Crated.	Chicks	Diameter Grate.	Fuel Capacity Weight.	Size Smoke Pipe.	Price.
11	50 in.	195 lbs.	500	11 in.	48 lbs.	4 in.	$32.50
12	56 in.	280 lbs.	1,000	15 in.	60 lbs.	5 in.	40.00

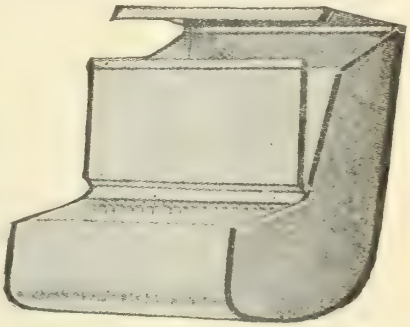


ROYAL MASH OR GREEN FEED TROUGH WITH STAND

Made from heavy galvanized iron and furnished with heavy wire hinged top trough. Easily removed from stand for filling or cleaning. Stand made from heavy galvanized angle iron with wood perches.

Three sizes for grown fowls: 36 in., $3.50; 48 in., $4.00; 60 in., $4.50.

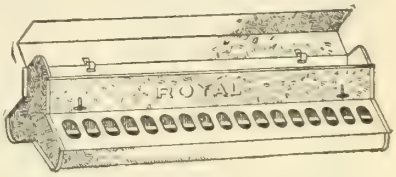
Dry Mash Hopper



Will not waste the feed. Cannot clog, being wider at bottom than top. Curved bottom throws last bit of feed to front.

Number	Width	Capacity	Price
81	12 inches	14 quarts	$1.75
82	18 inches	22 quarts	$2.25
83	24 inches	32 quarts	$2.75
84	36 inches	45 quarts	$4.15

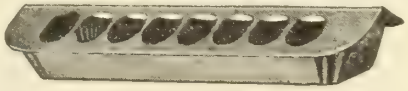
Royal Baby Chick Feeder



A large capacity double baby chick feeder. Saves time, labor and waste.

21-inch, 10-quart capacity $1.00
35-inch, 18-quart capacity $1.50

ROYAL CHICK FEEDERS



Round End

12-inch ..... .25
18-inch ..... .30
24-inch ..... .35

Mailing weight, 12-inch, 1 lb.; 18 and 24-inch, 2 lbs.

ROYAL CHICK TROUGHS

With Revolving Wood Reel

No.	Length	Price Each
200	24 in.	$0.35
300	36 in.	.50

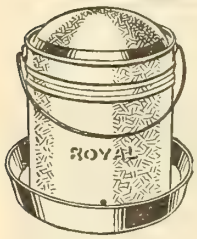
Made from 26-gauge galvanized iron in two lengths. Extra wide and made with wide lip on each side to prevent feed waste. Painted wood revolving roll keeps chicks off trough.

Stoneware Fountains and Milk Feeders

Made of best quality stoneware nicely glazed inside and outside. Recommended by leading poultrymen. Three large openings for feeding buttermilk or sour milk to baby chicks.

We do not send these by mail, express or freight, as they do not carry well.

	Weight	
1 qt.	4 lbs.	$ .40
2 qts.	7 lbs.	$ .45
4 qts.	8 lbs.	$ .50
8 qts.	18 lbs.	$1.00



No. 30

CONE FOUNTAIN BOTTOM FILL

	Mailing Weight	
1 qt. Cone	1 lb.	35c
2 qt. Cone	2 lbs.	45c
4 qt. Cone	2 lbs.	60c

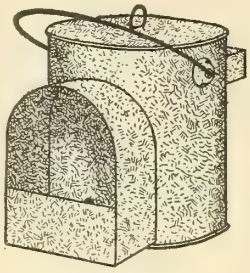
No. 30, 4 qt., 50c
Mailing weight, 2 lbs.

Cone

TWO PIECE CLEAN OUT FOUNTAINS

Top Section Slides Into Bottom Section

The latest and the most practical sanitary fountain on the market. A double fountain. Keeps the water clean and pure and is easy to care for. Made in three sizes.



	Mailing Weight	
4 qts. 3 lbs., single mouth		$1.20
8 qts. 4 lbs. single mouth		$1.40
5 gals. 8 lbs., single mouth		$2.35
5 gals. 8 lbs., double mouth		$2.75

ROYAL 6-QUART GALVANIZED FOUNTAIN

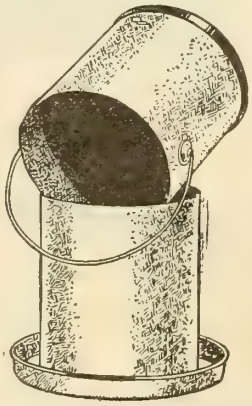
This fountain is made from extra heavy gauge iron and provided with an exceptionally heavy bail. The bottom pan is pressed from one piece of metal and is made from 20 gauge galvanized iron. Turns upside down to fill. Pan is held in place by spring tension furnished by bail and forced in place.

Mailing weight, 4 lbs.
No. 32—6-qt. $1.00

A Handy Sanitary Fount

Made from heavy galvanized iron, double tank construction, of large capacity for grown fowls or chicks. Permits the fowls to drink all around fountain.

Size	Shipping Weight	Price
3 gal.	6 lbs.	$1.75
5 gal.	14 lbs.	$2.40
8 gal.	16 lbs.	$3.00



Royal Chick Hopper

Made from heavy galvanized prime sheets. Holds a peck of feed; has cone-shaped bottom to keep feed from clogging. Edges of holes are turned under which makes them smooth. Top easily removed for filling; bottom easily removed for cleaning. Neat, practical and durable hopper for chicks. Height, 12 inches; diameter, 8 inches; diameter of pan, 12½ inches; 22 feeding holes; capacity, 1 peck; shipping weight, 5 lbs., **$1.00.**

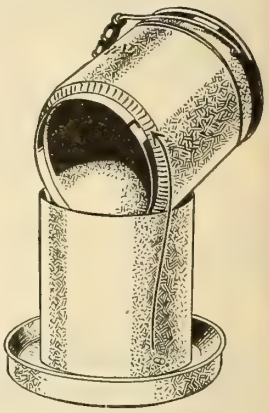
Fountain and Feeder

Made from extra heavy galvanized iron. No solder used. Very substantial pan with heavy rolled edge; electric welded center; can be used for chick feed as well as water. The glass fountain is designed for dispensing buttermilk and sour milk, also medicine. We do not furnish the glass jars.

Number	Style	Price
0	Galvanized	$ .10
	Glass	$ .15

ROYAL CLEANABLE THERMIC FOUNTAIN

This fountain is made from heavy galvanized iron with insulation that keeps the water warm in winter and cool in summer. The lower pan is also insulated to prevent the water that will be exposed to the air from freezing on account of coming in contact with the cold ground or floor. Many birds, in place of just one or two, can drink at one time. It is very easily filled and cleaned, as the outer, which is the insulated tank, slips down over the inside tank into which the water is poured. No valves to get out of order. The outer tank fastens to a metal projection with just a slight turn to the right, after it has been put in place.



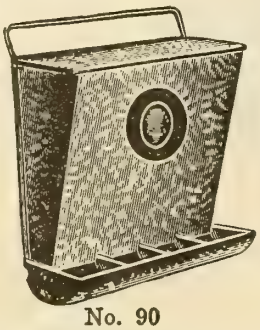
5-gallon, price $4.50
Shipping weight, 30 lbs.

Grit and Shell Boxes

There is no more economical method of supplying grit, etc., than with these practical, inexpensive compartment boxes.

Can also be used as feed hoppers for little chicks.

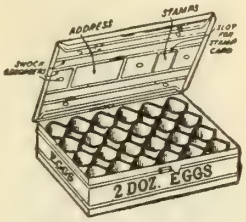
Made of heavy galvanized iron in three sizes. The No. 45 for baby chicks has a square bottom, the other sizes have round bottoms.

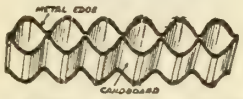


No. 90

No.	No. Compartments	Mailing Weight	Price
45	2	2 lbs.	$ .50
9	3	3 lbs.	$1.00
90	4	4 lbs.	$1.40

Aluminized Metal Egg Crates





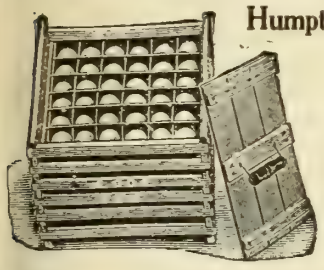
Solve the problem of shipping eggs, butter and other farm products by Parcel Post. They are made for continued use, being of strong construction, but light in weight.

All crates are provided with built-in shock absorbers to give a cushion for the eggs. Fillers to hold the eggs are made for a long life.

Metal Egg Crates do not require any outside wrapping for mailing.

1 doz. Size.	All eggs. Weight empty	2 lbs.	$1.00
1½ doz. Size.	All eggs. Weight empty	3 lbs.	1.25
2 doz. Size.	All eggs. Weight empty	3 lbs.	1.50
3 doz. Size.	All eggs. Weight empty	4 lbs.	1.75
4 doz. Size.	All eggs. Weight empty	5 lbs.	2.00
6 doz. Size.	All eggs. Weight empty	6 lbs.	2.50
9 doz. Size.	All eggs. Weight empty	8 lbs.	3.25
12 doz. Size.	All eggs. Weight empty	10 lbs.	4.00
15 doz. Size.	All eggs. Weight empty	11 lbs.	4.75

Humpty Dumpty Folding Egg Crates



The Humpty Dumpty Egg Carriers are strong and durable cases, the favorite of thousands of shippers in the poultry industry. Parcel post or express. It delivers the eggs in the best shape, giving the largest return. The eggs it saves soon pays for itself.

Size	Mailing Weight	Price
3 dozen	Empty 4 pounds	$0.60
6 dozen	Empty 5 pounds	.75
12 dozen	Empty 7 pounds	.90
15 dozen	Empty 8 pounds	1.00

IDEAL EGG BOX

This is an Ideal Box for handling retail Egg trade, presenting the goods to the customers in an attractive package with the minimum amount of trouble for the seller. They knock down in a very compact shape, and the prices which we name are extremely reasonable.

One dozen size—15 cts. per doz.; $1.25 per 125; $2.25 per package of 250; weight, 30 lbs.; $7.50 per 1,000.

			Weight
EGG CASE FILLERS.	One set of 10, 30 doz.	$0.35	4 lbs.
	One case, 10 sets	3.25	50 lbs.
CHALK NEST EGGS.	3 cts. each; per dozen	.30	2 lbs.
GLASS NEST EGGS.	3 cts. each; per dozen	.30	1 lb.

Carbolineum

A Practical Fungicide and Vermicide

(Not Mailable)

Kills chicken mites or fowl ticks (Blue Bugs) in poultry houses. Applied once a year will do the work. Special care should be taken to saturate all cracks, crevices and joints of wood. It will work in sprayer in warm weather if strained. **$1.75 gallon.**

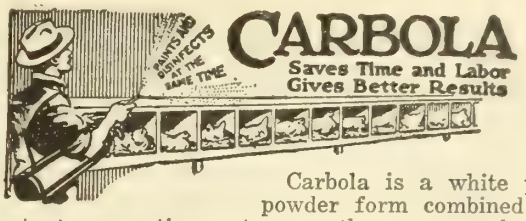
Walko Tablets

For the drinking water for baby chicks, turkeys, ducks or geese. Also for older fowls.

50 cts. and $1.00 Pkgs.

Water Glass

Water Glass for preserving eggs, will keep fresh for months. One pint is sufficient for 8 dozen. **Pt., 2 lbs. 20 cts.; Qt., 4 lbs. 30 cts.; Gal., 13 lbs. 95 cts.**



Carbola is a white paint in powder form combined with a disinfectant many times stronger than pure carbolic acid. It is non-poisonous and non-caustic. It helps prevent the start and spread of contagious diseases that affect man, beast and fowl. It dries a clear snow white. It saves labor, time and money. It paints and disinfects at one operation in the same time and with the same labor required to paint or disinfect only.

Carbola is recommended for use instead of whitewash in every place where whitewash ordinarily is used, and it is recommended for use instead of whitewash and disinfectants in stables, kennels, poultry houses, rabbit hutches, barns, creameries, hog pens, dairy buildings.

It is recommended for use as a disinfectant wherever one is needed and where the added light that comes from a whitened wall—which walls increase the light from 25 per cent to 50 per cent—is an advantage. **5 lbs. 75 cts.; 10 lbs., $1.25; 25 lbs., $2.75; 50 lbs., $5.00.**

GIZZARD CAPSULE

FIVE TIMES AS EFFECTIVE AS WORM REMEDIES GIVEN IN FOOD OR DRINK

Why? It is INSOLUBLE and therefore carries through to the gizzard. In the gizzard it is ground up, pouring the correct dose in full strength directly into the intestines upon the worms. No starving birds to force eating of bad tasting food. Gets all three kinds of worms.

The most efficient worm remedy yet devised. Quickly and easily given. Used and recommended by many Agricultural Colleges, Experiment Stations, County Agents and leading poultry raisers.

A Triple Combination Worm Medicine containing Kamala (for Tape Worms), Nicotine Sulphate (for Round Worms), and Pyrethrum (for Pin Worms)—all in an INSOLUBLE Capsule.

Two sizes: Adult, for chickens, turkeys, etc., half grown or older. **50-capsule pkg., $1.00; 100 for $1.75; 500 for $7; 1,000, $12.** Chick size for birds under half grown, **$1 per 100.**

Germozone

Three times a week add Germozone to the drinking water as a safeguard against White Diarrhea, Coccidiosis, poisoning, digestive disorders and disease germs. It keeps the crop pure and sweet—a real life-saver for chicks. Just as valuable for half-grown and mature fowls.

Germozone is the best remedy and preventive we know of—has been for over thirty years. That's why it is so widely imitated. **75 tablets, 75 cts.**

ZENOLEUM

A coal-tar disinfectant and dip for poultry and all live stock. Fifty of the fifty-two agricultural colleges in America recommend Zenoleum. (Not Mailable)

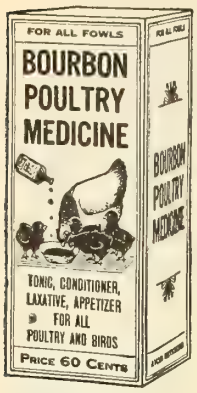
8-oz.	$0.35	Half-Gallon	1.25
Pint	.50	One Gallon	2.00
Quart	.75		

FER-SUL

Has two very marked properties. One, that of a germicide and the other a tonic. One active in killing disease, the other in restoring health. Detailed instructions for its use in the specific troubles or maladies we have investigated, can be obtained by postal request. **12 ozs. $2.00; qt. $3.75; gal. $10.50.**

EGG-O-LATUM

Egg-O-Latum is a soft, white, preservative wax. First applied to the palms of your hands to warm and soften the Egg-O-Latum—then rubbed on the eggs. A dozen per minute can be handled in this way. Do not wash the eggs. Egg-O-Latum keeps indefinitely. **For 50 doz. eggs, 50c. Mailing weight, 1 pound.**



Bourbon Poultry Medicine

Is a valuable medicine and system regulator for all fowls and birds. A few drops daily in the drinking water helps to ward off disease and puts hens in fine condition for heavy egg laying. Especially beneficial during moulting season.

It acts through the blood as a tonic and conditioner. Aids digestion, improves the appetite, clears the system of food poisons, builds strength and vitality.

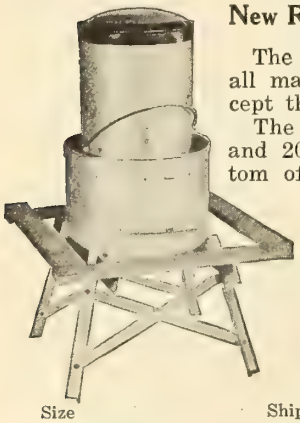
Keep your fowls and birds healthy and they will grow faster and lay more eggs. A great aid in starting baby chicks.

Prices

Small size	$ .60	Quart	$2.25
Half Pint	$1.00	Half Gallon	$3.50
Pint	$1.50	One Gallon	$6.00

BOURBON DIP AND DISINFECTANT

1 qt.....60 cts 2 qts.....$1.00 gal.....$1.60



New Royal Fountain Heaters and Stands

The new Royal Heater and stands are all made of heavy galvanized iron, except the perch, which is of wood.

The Heater exactly fits our No. 205 and 208 fountains with the entire bottom of the fountain setting inside the heater top, fitting very snugly.

A Handy Sanitary Fount

Made from heavy galvanized iron, double tank construction, of large capacity for grown fowls or chicks. Permits the fowls to drink all around fountain.

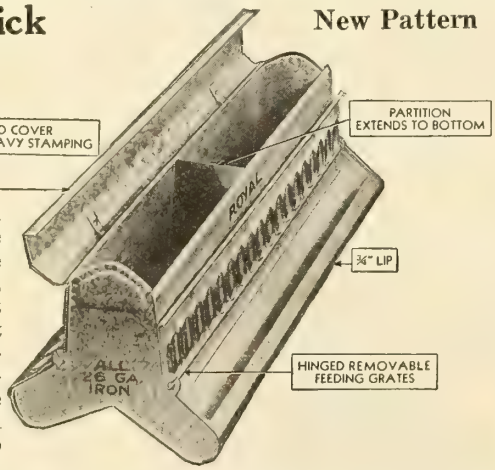
Size	Shipping Weight	Price
No. 203—3 gal.	6 lbs.	$1.75
No. 205—5 gal.	12 lbs.	2.40
No. 208—8 gal.	16 lbs.	3.00

The Heater is of the open-top type with a hinged door on side so that the lamp can be taken out for trimming of wick or refilling. Furnished with No. 2 burner. Weight, 11 lbs. Heater, $1.50.

The Stand is well worth this extra cost, as it places the water up off of the floor, providing more valuable scratching space, also prevents litter from being scratched into the drinking water. Weight 20 lbs. Stand, $1.50.

Royal Chick Hoppers

New Pattern



The New Royal Hoppers, made from 26-gauge galvanized iron, are the heaviest on the market and include features as illustrated on the cut, all of which are found on no other hopper. The capacity is much larger and the hopper much better made than any other hopper made. Full length and shipped completely assembled. Adjustable for all ages.

No.	Length	No. of Holes	Shipping Weight	Price Each
342	24 in.	34	7 lbs.	$1.35
363	36 in.	54	11 lbs.	1.95

Pratts Poultry Food and Remedies

PRATTS BABY CHICK FOOD
With Buttermilk

The original "baby food for baby chicks." Gives chicks a strong start—keeps them growing.

Ingredients: Powdered buttermilk, corn meal, wheat middlings, oat meal, cooked wheat, Epsom salts, bone meal, millet, rape.

Analysis: Protein, 11.50%; fat, 3.50% crude fibre, 3.80%; carbohydrates, 69.00%; nitrogen free extract, 65.20%.

In 25-ct. and 40-ct. bags. **10 lbs., 75 cts.; 25 lbs., $1.50; 50 lbs., $2.75; 100 lbs., $5.25.**

PRATTS GROWING MASH
With Buttermilk

For growing youngsters. The bone, muscle and feather builder.

Ingredients: Dried buttermilk, feeding oat meal, corn meal, ground oats, wheat middlings, wheat bran (with ground screenings not exceeding mill run), meat scrap, bone meal, fish meal.

Analysis: Protein, 17.50%; fat, 4.50%; fibre, 9.00%.

Don't waste time, chicks or money on imitations of Pratts. We guarantee it will give complete satisfaction.

25 lbs.....$1.35 50 lbs.....$2.50 100 lbs.....$4.75

Powdered Lice Killer, 1 lb. weight	25c
Powdered Lice Killer, 2½ lbs. weight	50c
R-P Tablets	25c, 50c, $1.00
Special Compound	25c, 50c
Condition Tablets	25c, 50c
Gape Compound	25c, 50c
Scaly Leg Ointment	30c, 60c
Red Mite Special	60c, $1.00, $1.60
Healing Ointment	30c, 60c
Poultry Worm Powder, weight 2 lbs.	50c
Hog Tonic, weight 2½ lbs.	50c
Cow Tonic, weight 2 lbs.	50c
Pratts Vitamin Tested Cod Liver Oil (for Poultry and Stock Feeding), gallon	$2.25

Chick Tablets	25c, 50c
Sore Head Chicken Pox	30c, 60c
Bronchitis Tablets	25c, 50c
Head Lice Ointment	30c
Lice Salve	50c

PRATTS POULTRY REGULATOR

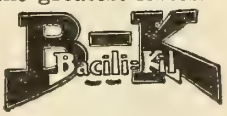
Packages, 2 lbs., 25c; 4 lbs., 50c; 12 lbs., $1.40; 25-lb. bags, $2.50.

PRATTS ANIMAL REGULATOR, 2 lbs., 25c; 4 lbs., 50c.

PRATTS DIP AND DISINFECTANT, 1 qt., 60c; 2 qts., $1.00; 1 gal., $1.60. Also in 5 gals., $7.25.

Barnes Emulsion

Barnes Emulsion is an absolutely harmless health and vitality building product that also prevents worm infestation, and it is well known that intestinal worms are the direct or indirect cause of the majority of all poultry ailments, especially those diseases which become epidemic and cause the greatest losses. 1 qt., $1.00; 1 gal., $3.00.

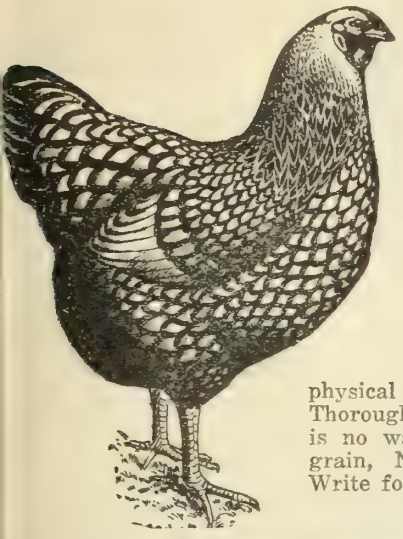


4 oz. Bottle	$ .35
10 oz. Bottle	$ .65
1 qt. Bottle	$1.25
1 gal.	$3.00

A preventive disinfectant for houses and drinking water to keep your flocks healthy.

Stop diseases if infection is brought in.

A deodrant to keep brooders, incubators, birds and premises clean and sanitary.



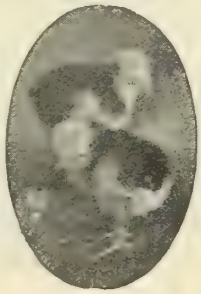
Good Luck Scratch Feed

STANDARD HEN FOOD

For every day in the year. Made from a variety of sound, sweet grains and seeds (including wheat, corn, barley, kaffir, milo maize, sunflower seeds, etc.) properly balanced to keep hens in perfect physical and laying condition. Thoroughly cleaned so that there is no waste, no burnt or smutty grain, NO GRIT OR SHELLS. Write for prices.

Good Luck Baby Chick Feed

SAVES LITTLE CHICKS



Composed of choice grains and seeds—carefully selected—perfectly granulated to precisely the right degree for the youngsters, and screened clean of all fine stuff. This makes a perfectly balanced ration for healthy, hearty and rapid chick development, as well as digestive results. Avoid feeding table scraps to young chickens. In using BOLGIANO'S BABY CHICK FEED according to directions you will never lose a chick from feeding cause. NO GRIT. Write for prices.

Alfalfa Meal

This is a green feed all the year round. Everyone knows that alfalfa is fast supplanting clover. It is very high in protein, and furnishes the chicks a growing food which, at the same time, has a medicinal value. Its value as a helpful egg food is unquestioned.

No mash is complete without it. Aside from food value, it has high medicinal properties. 95 per cent pure clover. **6 lbs. 25 cts.; 10 lbs., 35c.; 100 lbs., $2.75.**

Rolled Oats

Excellent starting and growing food for chicks. **6 cts. lb.; 90-lb. bag. $4.50.**

Sunflower

A good, rich food for all kinds of poultry; especially necessary during molting period. **12 cts. per lb.**

Hemp Seed

Wholesome and well liked by pigeons and parrots. **Per lb., 10 cts.**

Bird Rape—Canary

These two make a good balanced ration for canaries. **Per lb., 15 cts.**

Canada Peas

The best pigeon food; also good to sow for hay or plowing under as green manure. **10 cts. per lb.**

Pigeon Feed

This is the best mixture of good, sound grain we have ever seen, and is the result of many years' experience. Forms a balanced ration that will make pigeons grow and keep them healthy. **5 lbs., 30 cts.; 10 lbs., 50 cts.; 50 lbs., $2.25; 100 lbs., $4.00.**

Crystal Grit

One of the sharpest and hardest grits known. **10 lbs., 20 cts.; 100 lbs., $1.00.**

PRICES ON FEED SUBJECT TO CHANGE

Good Luck Meat Meal

Our sales amount to something over 50 tons per year. Why is this? We contend that we give more real value in our MEAT MEAL than any other firm. It makes chickens lay—it keeps them active and healthy. **1 lb., 10 cts.; 10 lbs., 60 cts.; 100 lbs., $4.00.**

Poultry Mash Feed

A combination of ground grain, alfalfa meal, meat meal and everything necessary for producing a large egg yield. Mix with hot water and it is ready to serve. **10 lbs., 50 cts.; 100 lbs., $3.25.**

Crushed Oyster Shells

Important as an eggshell maker and promoter of health. Our shell is clean and free from waste. No. 3 for chicks. No. 2 for adults. **10 lbs., 20 cts.; 100 lbs., $1.00.**

Charcoal

Aids digestion and promotes health of chicks to a wonderful extent. No poultryman can afford to be without it. Specially prepared and guaranteed pure. Grade "3X" medium chick size, and grade "4X," coarse granulated. **2 lbs., 15 cts.; 5 lbs., 30 cts.; 10 lbs., 50 cts.; 50 lbs., $1.35.**

Cracked Bone for Poultry

This article is manufactured from fresh, clean bones, and is perfectly pure and sweet. No chemicals whatever are applied to them in the course of manufacture. Should be fed to the poultry daily, like grain or any other feed. An excellent bone and egg producer, keeping the fowls strong on their legs and largely increasing their laying qualities. Especially valuable for young and growing chicks. **5 lbs., 30 cts.; 10 lbs., 50 cts.; 100-lb. sack, $3.50.**

Kaffir Corn

A splendid substitute for wheat and just the right size to feed without cracking, very palatable and a producer of healthy hens. **5 cts. per lb.**

Steel Cut Oats

Unexcelled for baby and growing chicks. One of the best ingredients of any food used just after the chick starter. Fattening and a promoter of vigorous growth. **1 lb., 8 cts., 5 lbs., 30 cts.; 10 lbs., 50 cts.; 100 lbs., $4.75.**

Dried Buttermilk

Buttermilk has become one of the most popular additions to the feed list. When mixed with mash it adds a zest which the hens appreciate and eat much more than formerly. This increased consumption pays the farmer large profits in increased egg production.

Do not fail to have an ample supply of Dried Buttermilk on hand throughout the feeding season. Dried Buttermilk is not injured by freezing and will keep indefinitely. Be sure you get Dried Buttermilk when you order, as in all other forms over two-thirds of what you pay for is pure water, which adds unnecessary bulk and costs you more freight.

Our Dried Buttermilk contains over three times as much food value as buttermilk in any other form and costs about one-third less per pound of actual food content. **1-lb., 15 cts.; 5 lbs., 65 cts.; 10 lbs., $1.25; 25 lbs. $3.00; 50 lbs., $5.50; 100 lbs., $10.00.**

"O.K." Poultry Litter

TRADE MARK

"O. K." Sanitary Poultry Litter is practically fireproof for use in poultry houses, brooders, coops, scratching pens, etc. It is an absorbent, a deodorizer, a disinfectant, a scratching litter, and a dust bath all in one. To say nothing of its exceptional value as a fertilizer when finally removed.

Small bale sufficient to cover 10 sq. ft. 2 inches deep (enough for the ordinary brooder). **$1.50. Large bale, $3.75.** Covering capacity, 80 sq. ft. 3 inches deep.

ADD POSTAGE FOR YOUR ZONE

Bolgiano's Thoroughbred Baby Chicks

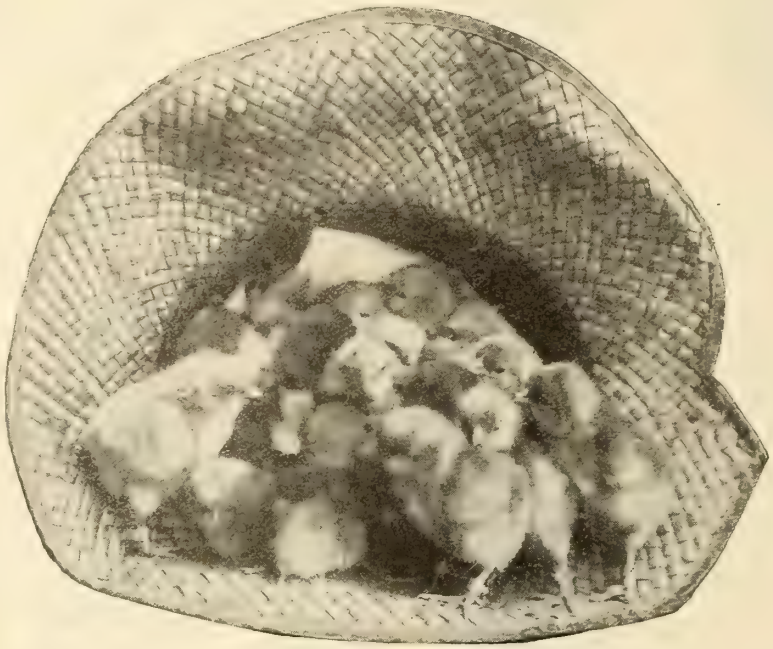
Bred For Constitutional Vigor and Heavy Egg Production

Strong, Healthy, Lively, Chicks

From Maryland State Certified Two-Year-Old Breeders

The elimination of doubt in incubating eggs has been such a boon to poultry raisers that the baby chick business, at first a subject of ridicule, has become one of the largest departments of the poultry business.

Our trade in baby chicks has increased with such rapidity that it is almost impossible to tell with absolute certainty what proportions our sales will be the coming season. Nevertheless, we know that the safest plan for our friends to follow is not to wait until late in the season or until a few days before you wish the chicks, but to order early and be sure of getting your order in good time.



Be sure when writing us that your full name and postoffice is very plainly given. State plainly the number and variety of chicks you want, when wanted, and we will acknowledge receipt of your order at once, and tell you about when the chicks will be shipped.

Cash must be sent with your order, for we cannot ship C. O. D., by express or parcel post.

We guarantee to deliver 97 per cent of the Baby Chicks to you in good condition.

Single Comb White Leghorns

The ever-increasing demand for Leghorn eggs in the New York market has led observing poultrymen and farmers to look to the Leghorn hen for highly profitable results.

The White Leghorn, generally known as "America's Business Hen," has proven a winner, and today there are hundreds of large and small commercial Leghorn farms successfully operated in New York, New Jersey, Maryland and right through to the South and far Western coast.

Rhode Island Reds

As a "business hen" for eggs and meat they are hard to beat. They lay a well-shaped, good-sized brown egg, and mostly uniform in shape, size and color.

The matured feathering of the Rhode Island Red is not as yet uniform in coloring. This is being improved each year, to the great credit of hundreds of our best breeders of America.

We can also supply other varieties you may wish, and will gladly answer your inquiries with lists and prices.

By Mail

We Pay the Postage.
We Guarantee to Deliver to you 97 per cent of the Chicks in good condition.

Variety	25 Chicks	50 Chicks	100 Chicks
S. C. White Leghorns	$4.50	$8.50	$16.00
Black Jersey Giants	5.50	10.00	20.00
Barred Plymouth Rocks	5.00	9.00	17.00
S. C. Rhode Island Reds	5.00	9.00	17.00
Buff Rocks	5.00	9.00	17.00
White Wyandottes	5.00	9.00	17.00

Write for price on larger quantities. Prices decline as season advances.

Examine the Shipments

On arrival open box, if any chicks are dead have postman mark number on the back of the receipt and return the receipt to us, and we will refund your money for them or replace them free of charge. In this way you have no loss and get full number you pay for. We have successfully shipped baby chicks 1,000 miles and can guarantee safe arrival.

All claims must be made within twenty-four hours, together with a statement from your postmaster, showing the chicks were received in poor condition.

Have the brooder warmed up and ready to receive and care for the chicks properly.

Don't give baby chicks cold water to drink. Don't overfeed chicks. Either of the above will start bowel troubles. Feed liberally, so long as they keep active. Keep their backs warm.

If prices are reduced at the time of shipment the purchaser will be proportionately credited with the amount due or enough additional chicks shipped to make up the difference, or money will be refunded.

If chicks ordered are not wanted for a month or more, 25 per cent of payment is all that is required at the time of placing order. Balance must be paid ten days before date given for shipment. All orders are acknowledged same day received, with approximate date of shipment given.

White Wyandottes

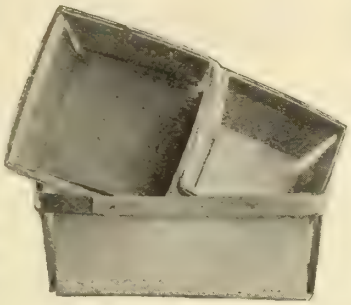
This is one of the oldest breeds and only its sterling qualities have kept it from being discarded long ago. They are beautiful fowl with large red rose comb, white plumage and yellow skin. They are splendid layers and make first-class table fowl. Our Wyandottes are developed from a flock, a pen of which won first prize in one of the recent egg-laying contests.

Barred Plymouth Rocks

The Barred Plymouth Rock is most widely known as a general purpose fowl, a breed which has proven its value as a market fowl and an egg producer. They are extremely and well adapted as a profitable and popular farm flock.

We breed for constitutional vigor, thereby maintaining the greatest vitality of the flock to attain as high an egg production as is consistent with retained vitality.

Berry Boxes



Prices subject to market in berry season.

Write for special quantity prices.

	Doz.	100	1000
½ pint square	.15	.90	$7.50
Pint square	.15	.90	7.50
Pint long	.15	.90	7.50

	Doz.	100	1000
Quart square	.15	.90	$7.00
Quart long	.25	1.25	11.50
2-quart long	.35	2.00	18.00
4-quart long	.45	3.00	26.00

	Doz.	100
½-bu. Peach Baskets	$1.00	$7.00
½-bu. Peach Basket Tops	.60	4.75
½-bu. Round Baskets	1.45	12.50
½-bu. Round Basket Tops	.75	6.00
1-bu. Round Baskets	1.75	13.50
1-bu. Round Basket Tops	.75	6.00
1-bu. Corrugated Caps	.20	1.40
1-bu. Paper Liners	.30	2.40

Gloves—Work

Warmer, per pair ..... 20 cts.
Zip, per pair ..... 15 cts.

Apple Pickers

Handy, convenient, saves time and labor ..... 50 cts.

Watering Cans

4-quart	$ .70
8-quart	.85
12-quart	1.15
16-quart	1.40

Wotherspoon Watering Pots

Heavy galvanized iron reinforced; well made and substantial. Will outlast two or three ordinary pots. Long spout greenhouse model; two copper-faced roses, one fine, one coarse, with each pot.

8-quart ..... $5.50 12-quart $6.25

Churns

No. 1 Cylinder Churns	$4.50
No. 2 Cylinder Churns	5.35
No. 3 Cylinder Churns	6.25
No. 4 Cylinder Churns	7.15

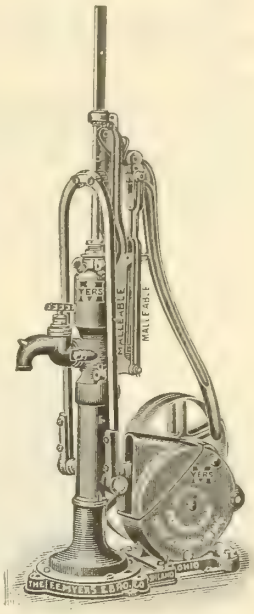
Well Buckets

King Bucket	$1.20
Victor Bucket	1.10
Crown Bucket	1.00
1410 Galv. Bucket	1.00
Well Chains, per lb.	.15

Buckets

10-quart galv.	$0.35
12-quart galv.	.40
16-quart galv.	.45
No. 4140—10-qt. Rochester heavy galv.	.60
No. 4142—12-qt. Rochester heavy galv.	.65

Myers' Cog Gear Pumps



The patented rolling motion cog gear head operates 33 1/3 per cent easier than the ordinary every-day pump now in use and 50 to 100 per cent easier than antiquated types. As soon as you take hold of the handle you discover that the "rolling motion" cog gear performs an important labor-saving service appreciated by every member of the family.

416. Long Stroke Pitcher Pump, $4.25. with foot valve, $5.10.

R251. Double Cylinder House Pump, $9.00. With foot valve, $10.10.

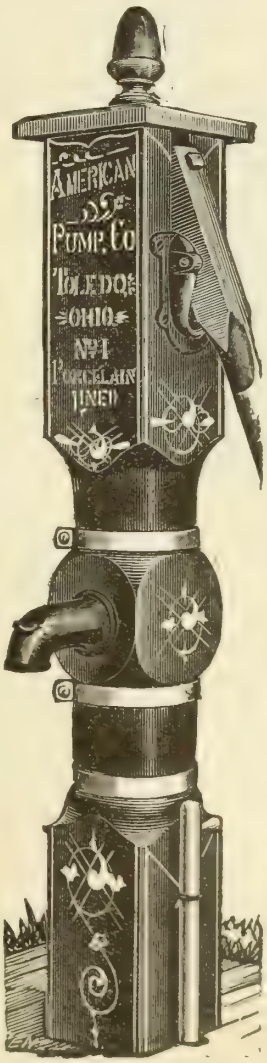
For price complete with pipe on above two pumps, add **20 cts.** per foot depth in well.

R94½. Defiance Pump Standard, $13.50. With cylinder and foot valve, $21.85.

X432. Self-Lubricating Pump Head, $35.00. With cylinder and foot valve, $43.85.

For price complete with pipe and sucker rod on above two pumps add **25 cts.** per foot depth of well.

R1052. Single Acting Lift Pump, **$11.50.** With foot valve $12.60.



R1072. Single Acting Force Pump, **$13.00.** With foot valve, **$14.10.**

R5. Double Acting Force Pump, Windmill Top, **$23.00.** With foot valve, **$24.10.**

For price complete with pipe and sucker rod on above three pumps add **25 cts.** per foot depth of well less four feet.

952. Working head, self-oiling, with handle attachment, **$65.00.** With cylinder and foot valve, **$73.35.**

For price complete with pipe and sucker rod add **30 cts.** per foot depth of well.

Wood Pumps

We sell the Buckeye, which is conceded to be the best on the market. Made of cucumber wood, and not poplar, as many of the so-called cucumber-wood pumps are made. All Pumps porcelain lined.

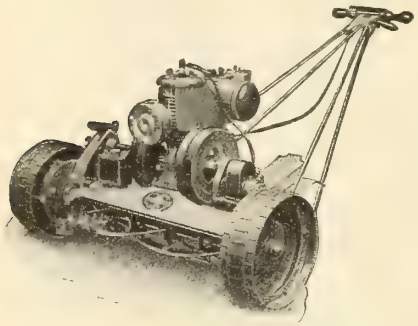
Depth	Size of Pump 6x6 in.	7x7 in.
10 feet	$14.00	$16.30
12 feet	14.70	16.95
16 feet	15.95	18.20
18 feet	17.55	19.80
20 feet	18.15	20.40
23 feet		22.05
25 feet		23.20
28 feet		24.70
30 feet		27.45
33 feet		29.65
35 feet		32.90
40 feet		36.85
45 feet		41.40
50 feet		44.40

Jacobsen Power Lawn Mowers

The 4-Acre Heavy Duty Mower— CUTS 4 ACRES OF GRASS ON 1 GALLON OF GAS

The Improved Jacobsen 4-Acre is a heavy duty mower that represents the highest type of walking power mower. For years it has been an outstanding success, and the Improved model of today, with increased motor power and various mechanical refinement, will meet the most exacting standards of strenuous, every-day work for many years, and quickly pay for itself in time and labor saved.

The Improved Jacobsen 4-Acre Heavy Duty Power Lawn Mower travels on its own power and cuts a 24-inch swath at the rate of 4 or 5 acres a day on a gallon of gas. Work formerly requiring 4 or 5 men with hand mowers becomes a one-man job with the 4-Acre, and where one man takes care of the lawn work with a hand mower, the time he can save with a 4-Acre can be profitably spent in otherwise beautifying the grounds. The frequent, even, clean cutting possible with a 4-Acre Mower results in a better kept lawn and a firmer, more luxuriant sod.



4-Acre Power Lawn Mower

The Motor is specially designed for power lawn mower work. It is not a "make-shift" like so many small motors, but is a high-grade completely equipped motor. It has high-tension magneto, float type carburetor and is air cooled. The 4-Acre has an automobile type differential, and separate clutch control for traction unit and cutting reel, hence steering, turning and close-up cutting is as easy as with a hand mower. The steel cut gears run in oil and are encased in dust-proof housings, insuring long life and trouble-free service.

The knives of the 4-Acre are sharpened by the mower's own power through special reverse gears. The friction clutch prevents damage when sticks or stones catch in the knives. It is sold under a rigid guarantee.

PRICES:

"4-Acre" Heavy Duty Mower (24" cut)	$290.00	Jacobsen Jr. Mower (19" cut)	$210.00
Riding Sulky for Above	40.00	Jacobsen Estate Roller Mower (24" cut)	315.00

Sprinklers For Lawns, Gardens and Golf Grounds

SKINNER SYSTEM OF IRRIGATION

GARDEN IRRIGATION

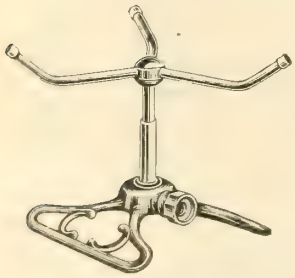
Line covers 50 ft. wide; complete ready to use.

	Stationary	Portable		Stationary	Portable
50 ft.	$15.75	$17.75	150 ft.	$36.75	$50.75
100 ft.	25.75	33.75	200 ft.	48.75	68.75

AUTOMATIC OSCILLATOR—**$25.00 additional**

Specify if lines are to be hose or pipe feed.

NEW EUREKA LAWN SPRINKLER



The New Eureka Lawn Sprinkler is a development and an improvement on the Eureka previously sold. Everything above the base, including the stem, head and arms, is nickel plated. The base is finished in red, making a very attractive sprinkler. Revolves freely with very low pressure and is especially desirable where the water pressure is light. All bearing parts are made of brass. Arms 5½ inches long. Loose swivel connection. 7½ inches high. Iron base, 7¾ by 7¾ inches. **$2.25.**

THE HEAVY DUTY DOUBLE ROTARY SPRINKLER

Many of the country's finest golf clubs, park commissioners, nurserymen, and cemetery associations now use and endorse this heavy duty model. It quickly puts large grass sodded areas in first class condition—keeps them that way all season long. **Price $12.50.**

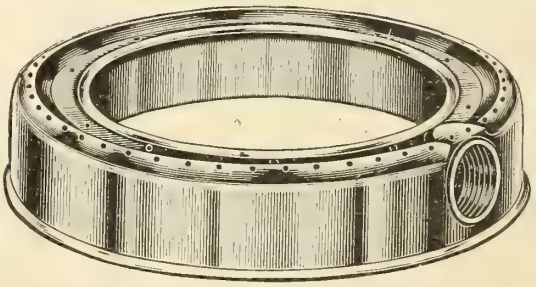
RAIN WAVE SPRINKLERS

Just imagine an immense fan of spray waving slowly back and forth over your lawn or garden. The slender streams shoot high in the air, breaking into countless tiny drops and falling to the earth just like a gentle shower. Covers a space 50 to 60 feet square. Adjustable to cover ½ or ¼ space.

Gentle as is this mist-like spray, still in six hours it delivers an inch of rainfall, which is as much as a garden needs in from one to two weeks of extremely dry hot weather. Weight 17 lbs. **Price $35.00.**

IMPROVED RING SPRINKLER

The Heaviest All Brass Ring Sprinkler on the Market



It is so strongly crimped together that it cannot be forced apart even under the heaviest pressure. The Allen Ring throws a finely divided, well distributed, coarse spray, covers a large circle and can be conveniently moved without shutting off the water. **Price 75c each.**

CHICAGO PORTABLE SPRAY HEAD

This sprinkler can be connected between short lengths of hose so as to cover a considerable distance. Each is furnished with a hose cap and in this way can be used on the end of a hose. Each sprinkler is furnished with an adjustment to make possible uniform sprays. The Chicago is made in white metal with brass cap and brass swivel, 5 inches long, 1⅝ inches wide. Packed 3 in a box. **Set of 3, $2.00; each, 75c.**

SHERMAN PORTABLE SPRAY HEAD

This is similar to the Chicago only does not afford adjustment. **Set of 4 $2.50; each 65c.**

Hose Nozzles, All Brass, 75c Each

LAWN MOWERS

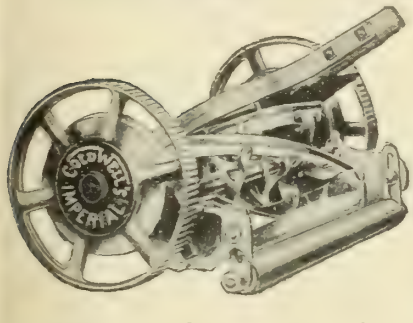
Coldwell's Regal Mower

There has been a demand for a five-knife Lawn Mower, one that will leave the lawn perfectly smooth and even. In this machine we have one.

16-inch.....$23.50 18-inch.....$24.50
20-inch.....$26.00

Coldwell's Imperial

ROLLER BEARINGS MAKE RUNNING EASY



THE IMPERIAL is one of our best Mowers, the principal feature being that the knife is securely bolted to the sides, thus insuring a perfectly rigid frame. The knives are adjusted by means of our patent hanger, and a locking screw holds them sesurely in place. This hanger is so constructed that all wear can be taken up in the bearings. The triple pawl ratchet is the simplest and most durable on the market.

Prices—High Wheel, 5-Blade

16-inch.....$20.00 18-inch.....$21.75
20-inch.....$23.50

Hollywood Lawn Mower

BALL BEARING

This lawn mower is made to meet the demand for a first-class ball-bearing machine which can be purchased at a price within the reach of all. It is made throughout of best grade material, and the workmanship is unsurpassed. The driving wheels are 8 inches in diameter and the revolving cutter has four blades, which insures fineness and evenness of cut.

12-inch.....$8.25 14-inch.....$8.50 16-inch.....$8.85

No. 2 Grass Edger

Neat, good looking lawns require that the edges be kept well trimmed. The No. 2 Edger does this work quickly, is easily handled, and should be a companion to every lawn mower. Can be used where lawns are bordered by cement, stone, or brick walks. Price, $1.60.

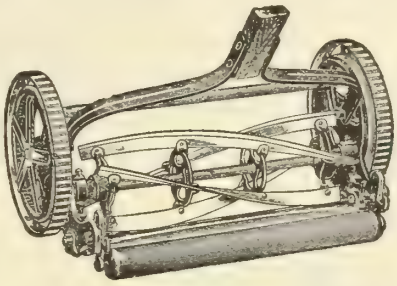
CRONK LONG HANDLE EDGER. Price $1.00.

Hedge Trimmer

This is a machine which has long been needed for hedges of any size. One man can do as much work with one of these Trimmers in one day as can be done by five men working with the ordinary hedge trimmer. This being the case, during the course of one season the machine will more than pay for itself, and will do the work better and more accurate than can possibly be done by hand. It is easy to operate and easy to keep in order, and satisfaction guaranteed.

30-inch—one Man.....$25.00 40-inch—Two-Man.....$27.50
Lawn Clipper Attachment.....$18.00

Metropolitan Ball Bearing Mowers



Meets the demand for a high wheel mower of highest quality at moderate price. Tool steel cutter bar of highest quality, well braced. Bed knife and bearings easily adjustable.

14-inch.....$10.00
16-inch.....10.50
18-inch.....11.25

Middy Bronze Bearing Mower

A high-grade, easy running mower, at a moderate price. Easily adjustable throughout and built for satisfactory service and long service.

12-inch.....$7.00
14-inch.....7.35
16-inch.....7.65

Water Ballast Roller

To increase the weight, add water. To decrease the weight, draw out water.

Size	Weight filled	Price
14 x 24	175 lbs.	$17.00
18 x 24	265 lbs.	20.00
24 x 24	420 lbs.	23.00
24 x 36	566 lbs.	26.00
For Miniature Golf Courses 14 x 15	100 lbs.	12.65

Rubber Hose

We make a special push on GARDEN and SPRAY HOSE. Our prices compared with department store hose is cheaper and the quality better.

We guarantee our Hose. This we believe to be the best, longest lasting hose on the market.

¾-inch Hose, 2 Braid Molded	12½	cts. per ft.
⅝-inch Hose, 2 Braid Molded	11	cts. per ft.
⅝-inch Hose, 5 Ply Wrapped	9	cts. per ft.
½-inch Spray Hose	23	cts. per ft.
Nozzles	75	cts. each

Coldwell's Improved Horse Mowers

Acknowledged by the trade in general to be the best lawn mower made in America.

30-inch. Complete, Seat and Shafts (4 blades).....$160.00
35-inch. Complete, Seat and Shafts (4 blades).....185.00
40-inch. Complete, Seat and Shafts (4 blades).....210.00

BOLGIANO'S CAPITOL PARK LAWN GRASS SEED

A perfect blend of those grasses essential for a rich even green turf throughout the entire year.

Pkt. 10 cts.; Lb. 40 cts.; 5 Lbs. $1.75; 25 Lbs. $8.25.

SHADY NOOK LAWN GRASS

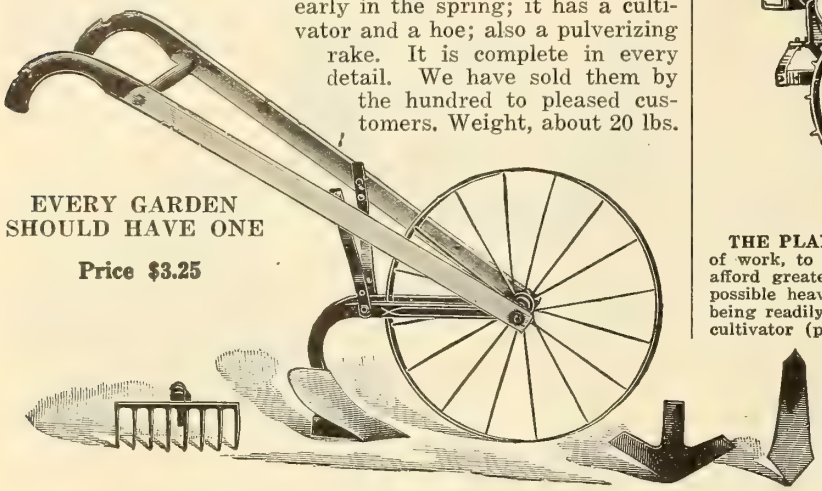
For Shady Places

Pkt. 10 cts.; Lb. 45 cts.; 5 Lbs. $2.00; 25 Lbs. $9.25.

See Page 3

Hand Garden Plows

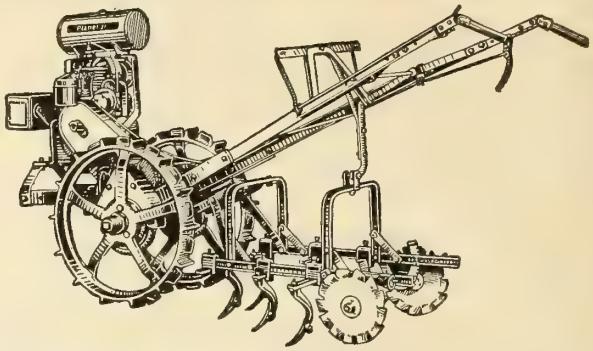
There nas always been a demand for a small garden plow that would come within the price, making it possible for the small gardener to purchase. These plows have all the tools or parts necessary to the perfect working of a garden—for instance, it has a plow for hilling and working the garden early in the spring; it has a cultivator and a hoe; also a pulverizing rake. It is complete in every detail. We have sold them by the hundred to pleased customers. Weight, about 20 lbs.



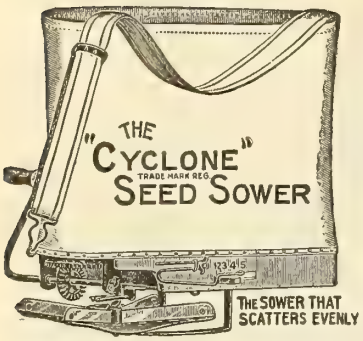
EVERY GARDEN SHOULD HAVE ONE

Price $3.25

Planet Jr. Motor Cultivator



THE PLANET JR. MOTOR CULTIVATOR is built to do a wider range of work, to do faster and better cultivation, to work more easily, and to afford greater economy. Extra weight together with ample power make possible heavy cultivation and real plowing—a six inch mouldboard plow being readily handled. Patented steering control which works like a horse cultivator (pressing on the right handle to turn to the right, etc.), makes possible fine, close cultivation—and more rapid cultivation with less effort than has been possible before. Many mechanical refinements such as Alemite lubrication, ratchet differential in the wheels, multiple disc clutch, easily changed and adjusted tool clamps and holders, Bosch magneto, ball bearings on clutch shaft, etc., add to its adaptability, durability and efficiency. Each tractor equipped with one pair 6-inch hose and 6 cultivator teeth. **Type A. B. (STANDARD), $262.50; Type A. T. (HEAVY DUTY), $329.50.**



The Original Improved Cyclone

It differs materially and very advantageously from all other Sowers in having a slope feedboard with an oblong hopper which terminates in a metal edge, on which edge oscillates a feed plate which does not allow the seed to become clogged, but makes a positive force feed and insures a uniform flow and even distribution of seed. Anyone desiring a convenient, practical and an all-round first-class grain and grass seeder, a good, large sower that will meet the most exacting demands, we cannot recommend the CYCLONE too highly. **Price, $2.50.** Parcel Post weight, 6 lbs.

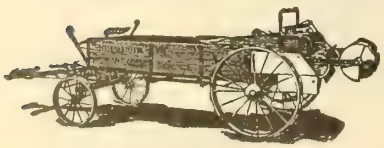
Horn Seeder

Makes even broadcasting a sure process in the hands of all users, **$1.00.**

Cahoon Seed Sower

For sowing Clover, Timothy, Millet, Oats, Wheat, Rye, Buckwheat, etc. Standard seeder of the world. A model for accuracy and durability. Malleable iron frame. Steel hopper and gate. Brass discharger. **Price, $5.00.**

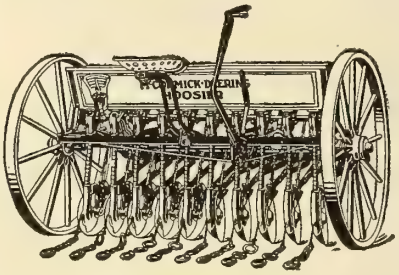
Manure Spreaders



No. 4—Capacity 60 bus., 2 horse hitch,

$168.00

McCormick-Deering Hoosier Drills

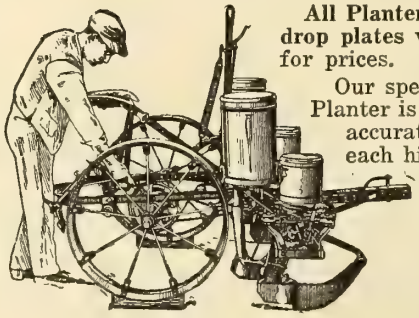


The fluted force is designed to sow surely and evenly whatever seed is being sown. The fertilizer mechanism will sow 30 to 1135 lbs. to the acre.

9-7 single disc...**$145.00**
11-7 single disc... **164.00**

Prices on other models on application.

Double Row Corn Planter



All Planters fitted with adjustable drop plates when so ordered. Write for prices.

Our special new feature in this Planter is that we not only get an accurate number of kernels in each hill, but we get the number of kernels in each hill which the quality of the soil is able to bring to perfect maturity.

Price, $83.00

With Fertilizer Attachment, $108.00

Lime Spreaders

The bottom of the Nonpareil Sowers is made of heavy sheet steel, bent into a half-round shape. A heavy sheet steel feed plate working in keepers forms the feeding device. There are punched in the bottom and feed plate 20 round holes or outlets, 2 inches in diameter, through which the material passes to the scattering board. These holes are 4⅝ inches apart from center to center, and extra plates can be furnished for sowing in rows.

Price, $50.00

Capacity, 10 Bushels—Sowing Swarth, 8 Feet

Planet Jr. Farm and Garden Tools

You cannot afford to till the ground without PLANET JR. TOOLS. They not only save hard labor, but enable you to cultivate double the acreage in the same time, and thus add over 100 per cent to your crop yield. Invented by a practical farmer and manufacturer—the result of sixty years' experience. Strong, lasting construction. Fully guaranteed.

No. 4 Planet Jr. Combined Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow

Price, complete, $18.00
Weight, 50 lbs.

As a Seeder only (No. 4D), $14.25

Holds 2½ quarts of seed.

Plants in hills 4, 6, 8, 12 or 24 inches apart.

Soon pays for itself in the family garden as well as in the larger acreage. Sows all garden seeds (in drills or in hills), plows, opens furrows and covers them, hoes and cultivates quickly and easily.

No. 25 Planet Jr. Combined Hill and Drill Seeder, Double and Single-Wheel Hoe, Cultivator and Plow

Price, $21.50

Weight, packed, 61 lbs.
Holds 2½ quarts of seed.

As a seeder it is practically the same as the Planet Jr. No. 4, and as a Wheel Hoe it has the same steel frames and cultivating attachments as the Planet Jr. No. 12 Double-Wheel Hoe.

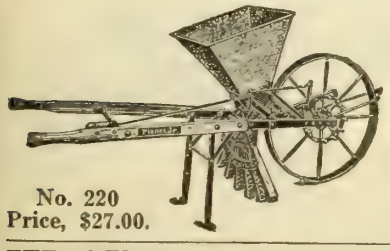
No. 300 Planet Jr. Seeder

Designed to sow practically all vegetable seeds in any kind of soil—muck land, sandy or heavy soil—and to save you time, labor and seed. Front wheel 16½ ins. in diameter, rear wheel 11½ ins. diameter, both 2½ ins. tread. A new principle Seeding Device is used. Hopper holds 4 quarts of seed.

Price $20.00

No. 220 Spreader

The No. 220 spreads fertilizer 4 to 30 inches wide; side-dresses 3 rows 12-14 inches apart, one side each of two rows up to 36 inches apart (corn in wider rows); and one side at a time in rows up to 48 inches apart. Can be used in rows as close as 9 inches.



No. 220
Price, $27.00.

Distributes 100 to 2,000 pounds to acre; capacity one bushel. Index and shut-off on right hand handle. Load placed over wheel; easy to push.

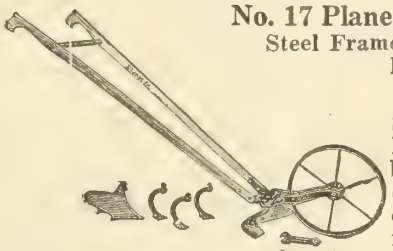
Spouts adjust easily on a slide; some can be shut off in close rows. No belts or chains to break, rust or jam. Positive, even distribution at every step.

No. 12 Planet Jr. Double- and Single-Wheel Hoe

Steel Frames—14-inch Steel Wheels.
Price, $10.75

A Single- and Double-Wheel Hoe in one. It straddles crops till 20 inches high, then works between. Has steel frames and 14-inch steel wheels. The greatest hand-cultivating tool in the world. The attachments sold with No. 12 are what gardeners use most, and the others can be added as wanted.

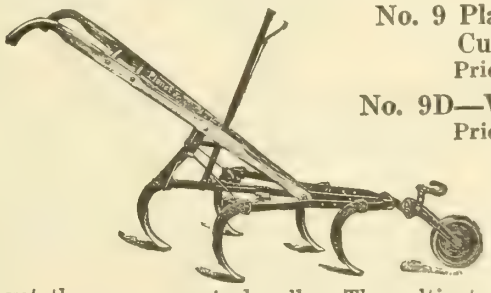
No. 17 Planet Jr. Single-Wheel Hoe



Steel Frame—15-inch Steel Wheel.
Price, $7.75.

The highest type of the Single-Wheel Hoe made. Light but strong, and can be used by man, woman, or boy. Will do all the cultivating in your garden in the easiest, quickest, and best way. These wheel-hoe tools are of a special pattern, carefully tested by practical men; no others ever offered compare with them. All the steel parts are high carbon steel, oil-tempered, finely formed, finished and polished, and work to a charm.

No. 9 Planet Jr. Plain Cultivator



Price, $12.75

No. 9D—Without Wheel

Price, $10.75

PLANET JR. CULTIVATORS are strongly built so as to withstand incredible strain, yet they are easy to handle. The cultivator steels are made of beveled steel, thickest down the center, making them self-sharpening, and the point retains its shape and strength.

Planet Jr. Twelve-Tooth Harrow Cultivator and Pulverizer

No. 90—Price, $17.00

With the Twelve-Tooth Harrow you go as deep or shallow as you like, come up close to row without injuring plants, cut out all weeds, stir the soil and fine it as with a garden rake. You widen and narrow as you please between 12 and 32 inches. A favorite with strawberry growers, market gardeners, etc.

No. 90B (less Pulverizer)	$13.75
No. 90D (without Pulverizer or Wheel)	$10.75

THE NEW PLANET JR. CATALOG, ILLUSTRATING A COMPLETE LIST OF TOOLS AND HOME GARDEN BOOKLET, MAILED ON APPLICATION—ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

The New Idea Transplanter

The method by which you set your plants directly affects your planting cost, and the yield and the quality of the crop at harvesting time. The one way of planting, however, by which you can be assured of the lowest possible planting cost, a quality crop, a minimum loss of plants, and early maturity, is with the New Idea Transplanter.

The New Idea Transplanter eliminates that excessive hand setting cost—it provides for plants to be set at less than half the cost than is possible by any other method, thus resulting in a handsome profit at planting time, this in addition to the extra profit to be realized at harvest time from a quality crop, larger yield and earlier maturity when plants are set the New Idea way.

Sixty-gallon galvanized steel water tank. The driver's seat is mounted on the opening of the tank and tips forward for filling. The plant setters are located in front of the ground wheels on comfortable seats which are provided with backs and adjustable foot rests. The planting mechanism consists of a Steel Shoe or Furrow Opener, a Water Valve and Pack Wheels or Press Plates for closing the furrow and packing the soil about the roots of the plants.

Plan to set your next crop the New Idea way—it will mean extra profits for you.

Booklet with full illustrations on request. **Price $112.00.**

Extra Attachments

Fertilizer, $17.00 **Check Roe with Wire, $45.00**

Land Roller

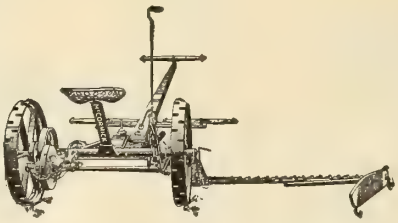
This is the most popular Land Roller on the market. Heavy, stiff angles are used on the sides and ends, to which the steel hangers are securely bolted, and the frame is so arranged that it will carry sufficient weight to suit the requirements. **Price, $40.00.**

McCormick-Deering Gear Drive 10-20-Tractors

A powerful, sturdy machine with a new ball-bearing engine. Crankshaft guaranteed not to break and main crankshaft ball-bearings guaranteed not to wear out, break or burn out during the life of the tractor.

The most dependable and durable tractor you can buy at any price. **$870.00, delivered.**

McCormick-Deering Mowers

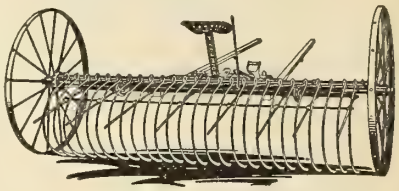


Are strong, light running machines, having a world-wide reputation for light draft, efficiency and durability.

3½ ft. cut, McCormick only. One-horse. Vertical lift $78.50
4½ ft. cut—two-horse. Regular lift $79.50
4½ ft. cut—two-horse. Vertical lift $80.50
5 ft. cut—two horse. Regular lift $80.50
5 ft. cut—two-horse. Vertical lift $81.50

Mower Knife Grinders $5.00

McCormick-Deering Self-Dump Hay Rakes

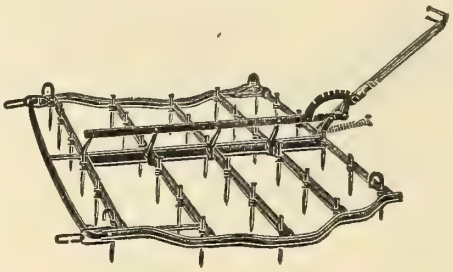


The self-dump feature is properly designed and never fails to work. All the operator has to do is to press a small foot lever and the horses do the rest.

8 ft. ..... $41.50 9 ft. ..... $44.50 10 ft. $47.50

Side Delivery Rake and Tedder, **$109.50.**

"U" Bar Lever Steel Harrow

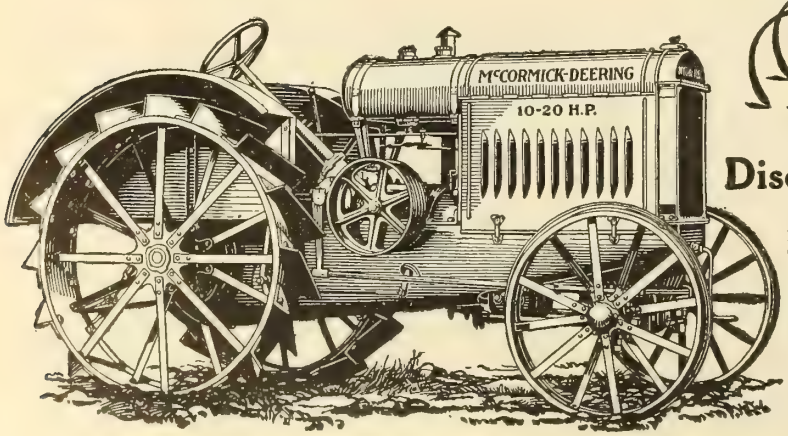


So Arranged the Teeth Cannot Track. This Harrow has a frame of steel, bars of "U" shaped steel well braced and securely fastened at each end to the frame. This gives the Harrow a double advantage, strength and rigidity, and is a guard against catching into trees and stumps. The teeth can be set to any pitch or cut desired.

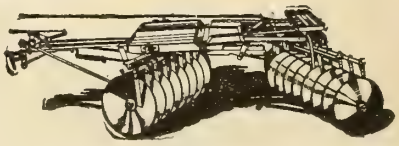
Price: 25-Tooth, $9.50; 50-Tooth, $19.00.

Spring Tooth Harrows

15-Tooth ..... $23.50 17-Tooth $25.00



Disc Harrow



The time is long past when a farmer or market gardener can do without a Disc Harrow. When your ground is weedy and lumpy, then is the time when you need and want a Disc Harrow. Disc Harrows are strong, yet not too heavy; easy on horse and man; saves labor—that means, save money; does the work better than it is possible to do it with a plow or any other harrow.

6 Ft. Double Disc Tractor Harrow, $98.00. Eight 16-inch discs, $53.50; Ten 16-inch discs, $57.50; Twelve 16-inch discs, $62.50.

The above prices include Forecarriage, but without tongue. If Forecarriage is not wanted, deduct $8.50.

Wiard Road or Contractors' Plows

No. 65. Medium; weight, 200 lbs.

The cut illustrates the No. 65 Plow, which is very substantial, and is heavy enough for ordinary road or contractors' work when used with 2 or 4 horses.

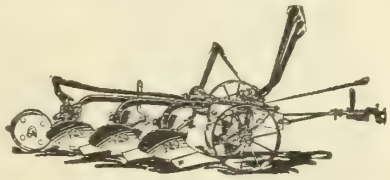
A Cast Iron Point, made from the best quality of charcoal iron, very strong and heavy.

Price, with Wheel or Shoe	**$33.00**
Price, without Wheel or Shoe	**30.00**
Extra for Forged Steel Point	**5.50**

Wiard Pavement or Rooter Plow

No. 67. Four or Six Horse; weight, with clevis, 250 lbs. This Plow has great strength and is adapted to contractors' work and for tearing up cobblestone or macadam pavements. **Price, $43.50. With Steel Beam, $60.50.**

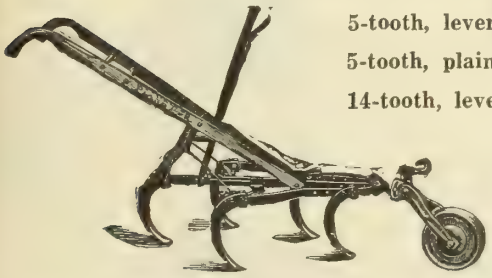
Tractor Plows



LITTLE GENIUS. Heavily built for sturdy service, yet due to three wheel construction is of very light draft. Price, two 14-inch bottoms, **$112.50.**

LITTLE WONDER. A light, two-wheel plow, giving exceptional satisfaction to all users. Price, two 12 or 14-inch bottoms, **$92.00.**

Cultivators



5-tooth, lever	**$5.50**
5-tooth, plain	**5.00**
14-tooth, lever	**8.00**

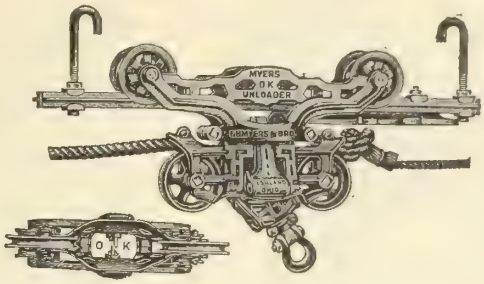
14-tooth, plain $7.25.

McCormick-Deering New No. 4 Two Horse Riding Cultivator

The most popular riding cultivator made. (Hill dodging is accomplished by means of two fork pedals placed just right for driver's feet. An easy pressure on either pedal pivots the wheel axles, carrying the cultivator to the right or left, as the case may be. At the same time the gangs shift sideways, keeping the shovels constantly parallel.) So easy to operate that a boy can do the work of a full-grown man.

Furnished with 6 shovels	$61.75
Furnished with 8 shovels	66.00

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE



Hay Cars

No. 200—5-in. Pulley and Sheaves	**$10.75**
No. 209—7-in. Pulley and Sheaves	**13.50**
Double Harpoon Hay Fork	3.25
Double Steel Track with Clamps, per foot	.25
Hangers, each	.18
Rafter Brackets, per 100	6.00
Floor Hooks	.15
Knot Passing Pulleys	.70

Chattanooga Plows

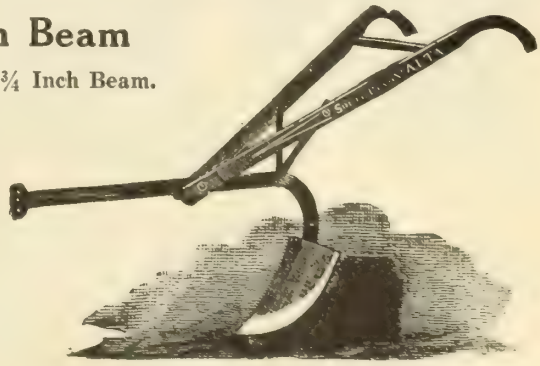
No other implement used in farm work requires more accurate adaptability to the work in hand than a plow. Eighty years of plow-building experience is wrought into the Chattanooga. Eighty years of study of soils and of the bottom shapes and kind of steel best adapted to scouring under varying soil conditions. The result is a line of plows that enables you to select one exactly suited to your own particular requirements. The following are the most popular types:

No. 70. One-horse, light 7-in. share, 6 to 7 ins. capacity	**$8.00**
No. 43. Two-horse, light 8-in. share, 9 to 10 ins. capacity	**15.50**
No. 44. Two horse, medium 9-in. share, 10 to 11 ins. capacity	**17.50**
No. 45A. Three-horse, light, right and left hand, 10-in. share, 12 to 13 in. capacity	**20.00**
No. 46. Three-horse, heavy, right and left hand, 11-in. share, 14 to 16 ins. capacity	**23.00**

Single and Double Shovel Plows

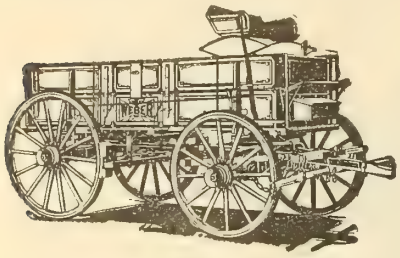
Iron Beam

Has 1¼ x ¾ Inch Beam.



Double Shovel Plow, $5.65.

Single Shovel Plow, $4.75.



Wagons

We sell but one grade of wagons—the best—the first and highest grade. When the farmer understands the real value and worth of our wagons and realizes that there is something else in the buying of a wagon besides its first cost, he will have no other. Only the best of inspected lumber gets into our wagons. The highest class of workmanship is employed and every section of this country receives our wagons, specially designed, air-cured, and built for the climatic conditions to be found there.

If the buyer understands fully just why our wagons are good wagons he will realize either that they are priced much too low, or other wagons much too high.

We sell a wagon specially designed for practically every hauling purpose—both on the farm and elsewhere.

N23—2-horse farm, medium Weber	$132.00
N24—2-horse farm, standard	142.00
N332—1-horse, medium, 2-inch tire	75.00
Box brake extra, 2-horse	12.00
Box brake extra, 1-horse	7.75
Spring seat, high back	6.25

Our Handy Steel Wheel Farm Trucks

Wood Hounds, Well Braced. Hickory Axles

All wood parts hardwood and well painted. The grooved tire, **$50.00.**

Grindstones

No. 1	$10.50	No. 3	$8.75
No. 2	9.35	Norco	9.75

Sickle Grinder $5.00

Scales

20-lb. Huckster Scales with scoop	$ 4.75
Fairbanks 500-lb. Platform	27.00

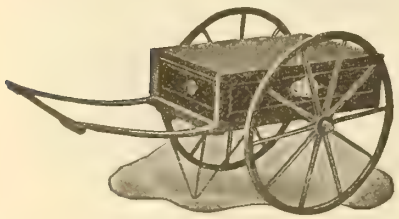
Water Barrel Truck

Water Truck as used with Barrel.

Our barrel-cart which can be attached to any of our barrel spray pumps and may be found useful in various ways, such as watering gardens, spraying trees, etc.

Water truck, with 1½″ Tire	$13.75
Water truck, with 3″ Tire	$16.50
Barrel, extra	$4.00
Leaf Rack for above	$10.75

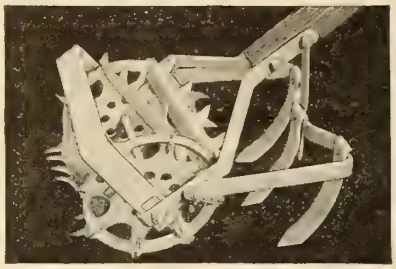
Push Carts



No. 0 Lansing $17.50
Size of Box, 48x28x10.

No. 1 Lansing $15.50
Size of Box, 40x23x10.

No. 2 Lansing $14.00
Size of Box, 32x20x9.

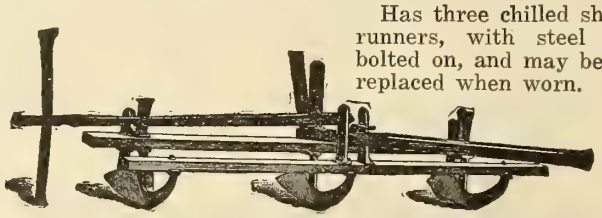


RO-HO Pulverizer

It cultivates, mulches, pulverizes and may be used as a scuffle or row marker hoe without adding tools; needed in every complete garden.

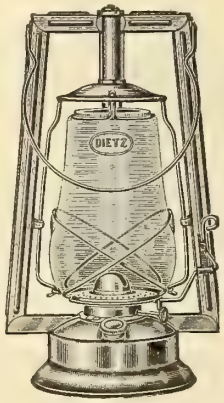
No. 10 size, $9.75 each.

Bolgiano's Improved Three-Row Marker



Has three chilled shoes, or runners, with steel wings, bolted on, and may be easily replaced when worn.

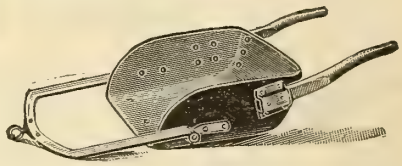
The frame is made of seasoned oak. The runners may be changed by loosening two bolts, to mark furrows 28 to 48 inches apart. Price, with pole, without seat $23.00



Dietz Lanterns

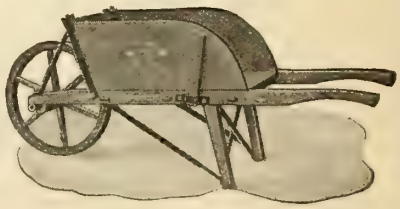
Dietz Victor Lantern	$.95
Dietz Victor Red Lantern	1.35
Dietz Regulation Lantern for Wagons	2.00
Dietz Blizzard Lantern (can't blow out)	1.60
Dietz Little Wizard (can't blow out)	1.15

Steel Drag Scraper



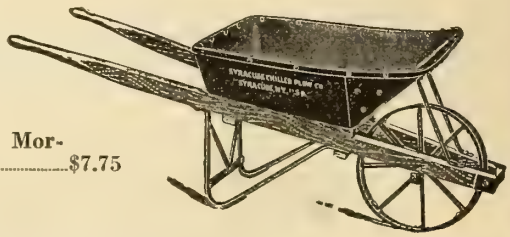
No. 1—Capacity about 7 cu. ft. of earth, 98 lbs.	$10.00
No. 2—Capacity about 5 cu. ft. of earth, 90 lbs.	9.25
No. 3—Capacity about 4 cu. ft. of earth, 75 lbs.	8.00

Wheel Barrows

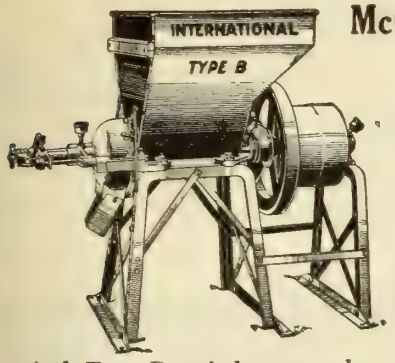


No. 1 Buch's Large Size	$8.50
No. 3 Medium Size	7.00
Flapper Barrow, Steel Tray and Wheel	5.25

Barrows



F3. Steel Tray Mortar $7.75



McCormick—Deering Feed Grinders

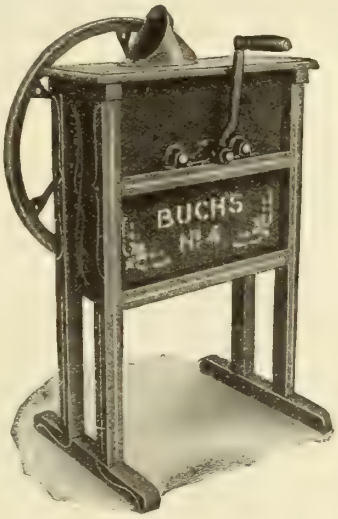
Are well known as machines of large capacity and light draft. This is made possible by the use of self-sharpening and self-cleaning Star Plates and a ball-bearing thumb bearing.

6-inch Type B, grinds Corn and cob.....$34.40
8-inch Type B.....$48.25
10-inch Type D, grinds corn, cob and husk.....$61.50

Lever Feed Cutter

Simple, durable, handsome, cheap. It has an 11-inch tempered curved knife, which can be adjusted to take up the wear, thus giving a perfect shear cut at all times.

Price $7.25.

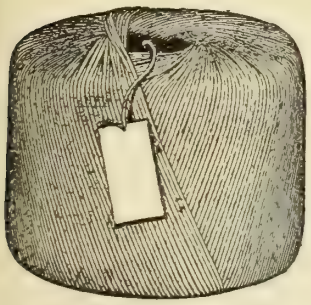


Hand and Power Corn Shellers

No. 3 Single Hole Sheller, $15.00

No. 7 Double Hole Sheller, For Hand or Power, $36.00

Binder Twine



It is well understood that good binder twine is essential to successful binding. The harvest season lasts only a few days and delays nearly always result in more or less loss. Binder twine that kinks and breaks is not worth hauling home, because it is not only a source of annoyance while harvesting the grain, but it also delays the work of shocking. Uniform size and strength are the characteristic features of our binder twine. It will not kink and clog the knotter or pull thin and break. **Price, 15 cts. per lb. Special prices on bale lots.**

Manila and Sisal Rope

Always on hand, the best Manila, Sisal and Cotton Rope, in coils or by the piece, at prices consistent with the quality. Prices on application.

Plow Lines

Fourteen yards of ⅜ inch Sisal rope, 55 cts.

De Laval Cream Separators

A remarkably easy running Separator. It gets all the cream which may be regulated to test from 15 to 55% butter fat by an easily adjusted cream screw.

GOLDEN SERIES

Capacity and Price:

No.	Pounds per hour	Price
8	225	77.50
10	350	87.50
12	500	100.00
16	750	117.50
17	1000	135.00
22	1350	225.00

JUNIOR SERIES

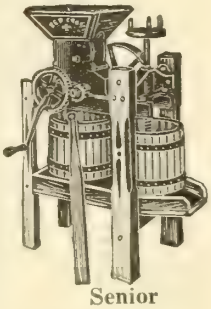
No. 19, 150 lbs. per hr., $40.00 No. 20, 225 lbs. per hr., $47.50
No. 21, 300 lbs. per hr., $52.50
Stand for Junior Series—$12.50

Do Your Milking with a De Laval

Cider Mills and Berry Presses

All materials used in our mills and presses are carefully seelcted. Wood is extra heavy to assure greatest strength and rigidity. Screws are cold rolled steel with Acme thread.

Single Cage Mill	$18.50
Jr. Double Cage Mill	25.00
Medium Double Cage Mill	28.50
Sr. Double Cage Mill	41.00
No. 1 Berry Press	7.50
No. 2 Berry Press	9.00
No. 3 Berry Press	14.50



Senior

RED CHIEF GRINDING MILL
Price, $5.50

RED CHIEF CORN SHELLER
Price $2.70

2 Ply Jute Twine

Most used for tying vegetables and general purposes; in balls or twist; per lb.....$0.25

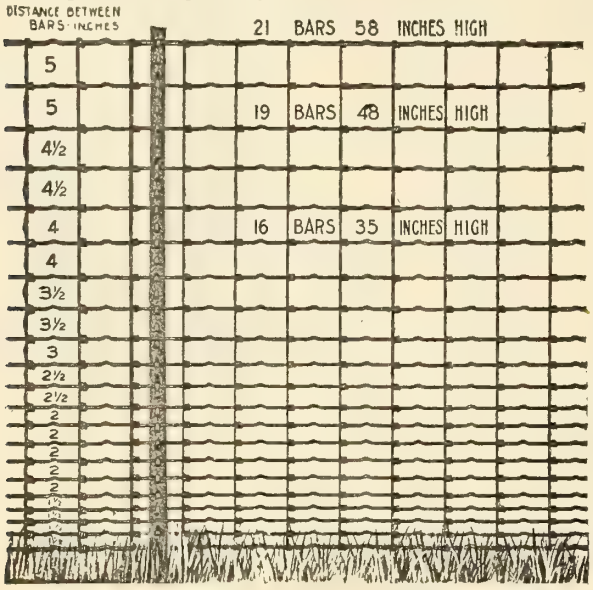
Tarred Fodder Twine

21 ozs. 13c per lb. in Less Than Bales. Bale Lots 12c per lb.

Hog and Cattle Steel Wire Fencing

726—26-in. High Hog Fence, 7 bars	$10.00	20-rod roll
832—32-in. High Hog Fence, 8 bars	11.80	20-rod roll
845—45-in. High Cattle Fence, 8 bars	9.40	20-rod roll
1047—47-in. High Cattle Fence, 10 bars	10.60	20-rod roll

Special prices on quantity.



American Steel Poultry Fence

2048—48 inches high	$5.80	10-rod roll
2360—60 inches wide	6.70	10-rod roll
2672—72 inches wide	7.80	10-rod roll

American Tubular Galvanized Steel Posts

The strongest and most sturdy line post made.

5 ft.	60 cts.	7 ft.	75 cts.
6 ft.	65 cts.	7½ ft.	80 cts.
6½ ft.	69 cts.	8 ft.	89 cts.
Drive Caps			50 cts.
Ball Tops			30 cts.

CORNER POSTS, DOUBLE BRACED

Heavy 6 ft.	$5.10	7 ft.	$5.35
Light 6 ft.	2.95	7 ft.	3.25

END POSTS, SINGLE BRACED

Heavy 6 ft.	$3.50	7 ft.	$3.65
Light 6 ft.	1.95	7 ft.	2.15

Diamond Mesh Poultry Fence

	Per foot	Per roll
12 in. high, 2 in. mesh	2c	$1.25
18 in. high, 2 in. mesh	2½c	1.80
24 in. high, 2 in. mesh	3c	2.25
30 in. high, 2 in. mesh	3½c	2.70
36 in. high, 2 in. mesh	4½c	3.10
48 in. high, 2 in. mesh	5c	4.10
60 in. high, 2 in. mesh	5½c	5.10
72 in. high, 2 in. mesh	6c	6.10

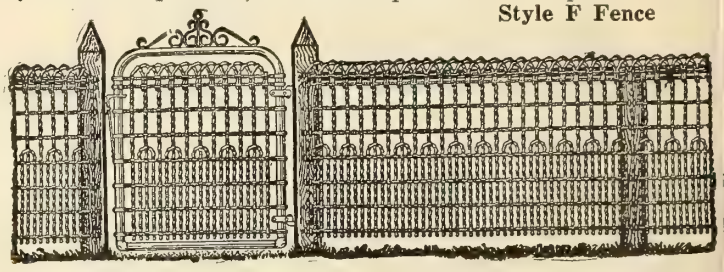
	Per foot	Per roll
12 in. high, 1 in. mesh	3c	$2.95
18 in. high, 1 in. mesh	4c	4.10
24 in. high, 1 in. mesh	5c	5.20
30 in. high, 1 in. mesh	6c	6.50
36 in. high, 1 in. mesh	7c	7.10
48 in. high, 1 in. mesh	8c	9.40
60 in. high, 1 in. mesh	10c	11.50
72 in. high, 1 in. mesh	12c	14.25

Fancy Lawn Fence

The fabric illustrated herewith is superior to any Lawn Fence on the market. The upright wires are corrugated their entire length instead of at intervals. Close enough at bottom to turn the smallest chicks.

The uprights are of No. 9 heavy galvanized wire, spaced 2⅞ inches apart, with an extra upright of No. 9 interwoven at the bottom, giving a spacing of 1⅜ inches. The cables are of heavily galvanized wire spaced 6 inches apart, except the two top cables, which are spaced ½ inch apart.

Style F Fence



	Style L	Style F
16 inches high	7 cts. per ft.	———
22 inches high	8 cts. per ft.	———
36 inches high	9½ cts. per ft.	12½ cts. per ft.
42 inches high	11 cts. per ft.	14 cts. per ft.
48 inches high	12 cts. per ft.	16 cts. per ft.
18 inch Trellis	6 cts. per ft.	———

LAWN GATES

	Galvanized Plain	Galvanized Fancy
3 feet by 36 inches	$3.50	$3.85
3 feet by 42 inches	3.65	4.00
3 feet by 48 inches	.....	4.25
4 feet by 58 inches	4.00	4.75
10 feet by 42 inches drive gate	.....	9.50
12 feet by 50 inches drive gate	9.00	.....
12 feet by 58 inches drive gate	9.50	.....
10 feet by 42 inches double drive gate	.....	11.00

CHAIN LINK FABRIC

Makes a strong non-climbable, attractive fence.

2-INCH MESH, NO. 11 GAUGE

42-in. Galvanized before weaving	19c per ft.
48-in. Galvanized before weaving	20c per ft.

Barb and Strand Wire

Cattle Barb Wire—6 in. between barbs.	80 rods	$4.00
Hog Barb Wire—4 in. between barbs.	80 rods	4.25
2-Strand Twist Wire—80 rods		3.75

Wickets. ¼ in., 22 inches high, 12 inches wide, painted green, **10 cts. each; 3 for 25 cts.; 12 for 95 cts.; postage extra.** Shipping weight, 9 lbs. per doz.

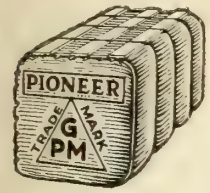
Hardware Cloth. Standard galvanized cloth 3x3 mesh.

	Per foot	Per roll
12 inches wide	.08	$6.00
24 inches wide	.11½	10.00
36 inches wide	.17½	16.00
48 inches wide	.22½	21.00

Staples. ¾ or ⅞ inch for Poultry wire, **10 cts. per lb.; $6.30 per keg; 1¼ in. for Stock Fence, 7 cts. per lb.; $4.60 per keg.**

Nails. 3 to 60 penny Nails at market price; write for quotations.

Post Hole Diggers $2.00



Peat Moss

Finely granulated, thoroughly dried material of good quality. The dependable source of necessary organic matter (humus) in the soil. Free from weed seed and injurious bacteria. Maintains proper moisture content in soil, improving the condition of the soil; for propagating benches; and where layering is practiced; for leveling greenhouse benches in place of sand or ashes; in potting soil; for storing bulbs and tubers over dormant season; mulching flower and vegetable beds, Evergreens, Roses, shrubs etc.; for making lawns and keeping them in condition and for many other purposes.

	1 Inch Deep	2 Inch Deep	3 Inch Deep
1 bale will cover approximately..	250 Sq. Ft.	125 Sq. Ft.	80 Sq. Ft.

Standard size bales, burlaped and protected by wooden slats, wire bound. Size about 20 x 22 x 40 inches, approximately 12 cubic feet, $3.75.

ADCO converts garden refuse, such as leaves, stalks, cuttings, potatoes, beans and pea vines, etc., into ARTIFICIAL MANURE.

ADCO is a powder which, when mixed with almost any non-woody vegetable waste and kept moist, gradually converts the mass into real manure fully equal to the farmyard product in fertilizing power, but free from foul odor, flies, weed-seeds, etc. The process is perfectly simple and not at all laborious.

ADCO, in 150-lb. bags, each (enough for a heap 10 ft. x 10 ft. x 6 ft., making about 3 tons of manure) $10.50

ADCO, in 25-lb. bags, each (enough for 12 wheelbarrow loads of garden waste, making ½ ton of manure) 2.00

Land Plaster. (Ground Gypsum) Should be more widely used for deodorizing manure piles. When spread on fresh manure it unites with the ammonia as it is given off, thus preventing the loss of this most valuable material, and at the same time keeping down the odor. When spread on the land, manure so treated has extra value in the calcium and sulphur thus added to the soil.

Plaster is also widely used for mixing with insecticides for dusting plants, having been used for many years with Paris Green on potatoes. 50-lb. paper sack, **60c**; 100 lbs., **$1.00**; 1 ton, **$16.00**; f.o.b. Washington, D. C.

Salt. Fine Salt, 50 lbs. **65c**; 100 lbs. **$1.20**... Ground Alum (coarse or ice cream salt), 100 lbs. **$1.35**. Rock Salt (for stock feeding), 100 lbs. **$1.50**. Rock Tombstones (50-lb. block), **80c** each.

FULTON'S
Plantabbs
made this difference

PLANTABBS are small, white odorless tablets. A complete, properly balanced fertilizer guaranteed the high analysis of nitrogen 11%, phosphoric acid 15%, potash 20%, are water soluble, dissolves quickly, giving immediate fertilization. Ideal for house plants where smelly fertilizer cannot be used but equally good for all garden planting, especially roses. We highly recommend Plantabbs because there is no waste, no weeds, no run-off. They are clean, odorless, easy to use, and we do not know of a single dissatisfied user. **30 Tablets 25c; 75 Tablets 50c; 200 Tablets $1.00; 1,000 Tablets $3.50.**

Velvet Lawns! Beautiful Flowers! Luscious Vegetables!

These new air-nitrogen fertilizers are three to four times as rich in plant food as the ordinary commercial fertilizer. They are as clean as sugar to handle, and they are absolutely free from weed-seeds and all obnoxious odors.

NITROPHOSKA
15-30-15

Nitrophoska contains all of the three essential plant-foods—nitrogen, phosphoric acid and potash—concentrated in one material. It has 15 per cent of nitrogen, 30 per cent of phosphoric acid and 15 per cent of potash—all of which is soluble and easily available for rapid sturdy growth.

A little Nitrophoska fertilizes a great deal of ground. Five to ten pounds of Nitrophoska (depending upon the natural richness of the soil) is enough to fertilize 1000 square feet of lawn or garden. It may be spread broadcast by hand; dissolved in water and applied with a sprinkling can; or mixed with such materials as peat moss and humus before applying.

PRICES (Nitrophoska or Floranid)	
1 lb.	$ .50
5 lbs.	2.00
10 lbs.	3.00
25 lbs.	5.00

FLORANID
(UREA)

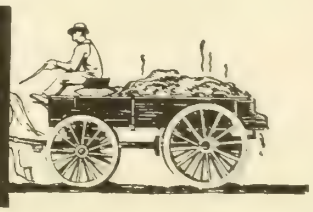
Floranid is a very rich nitrogen fertilizer (46% nitrogen) used during the growing season to obtain more rapid growth, richer color of foliage and greater brilliancy of bloom. The nitrogen is in the same chemical form as in liquid manure. Twenty-two pounds contains as much nitrogen as a ton of manure.

KOPPERS VELVET LAWN FERTILIZER

For Lawns, Gardens, Flowers, Shrubbery and Trees

A highly concentrated plant food, easy and economical to use. Holds in check the worst lawn weeds—plaintain, buckhorn, dandelion, crab grass and chick weed. Is odorless and clean. Will not injure hands or clothing in any way. Contains 25¼% ammonia, which means 20¾ lbs. nitrogen to every 100 lbs. **26-oz. Cartons, 25 cts.; 5-lb. Canisters, 60 cts.; 10-lb. Bags, $1.15; 25 lbs., $2.25.**

Equal to a Wagonload of Stable Manure



Fifty pounds of Old Gardener Fertilizer is equal in plant food to a big wagon load of stable manure and sells at less than half the cost.

Old Gardener will enrich the soil and add all elements necessary to make beautiful lawns, more abundant vegetables, larger and more brightly colored flowers, and healthier shrubbery. Two pounds will cover 100 square feet (10 ft. x 10 ft.)

Old Gardener
HIGH GRADE - ODORLESS - CONCENTRATED
FERTILIZER

PRICES:

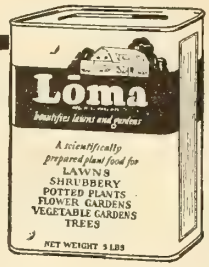
In Strong Paper Bags, 5 lbs., 50 cts.; 10 lbs., 85 cts.; 25 lbs., $1.75; 50 lbs., $3.00.

In Burlap Bags, 100 lbs., $5.00.

Clean — Odorless — Contains Over Three Times More Plant Food Than Sheep Manure

Fertilizers for the Farm, Lawn and Garden

Lōma

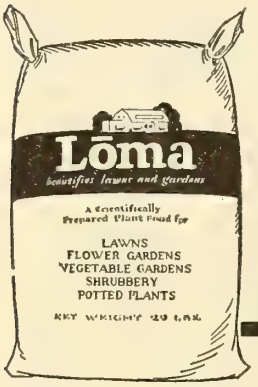


Beautifies Lawns and Gardens

Lōma is a complete plant food, scientifically compounded from both organic and inorganic materials. It is rich in nitrates, phosphates and potash, the food elements vital to the proper growth of your lawn and garden.

Lōma is odorless, clean to handle, entirely free from weak seed, and contains no filler. One hundred pounds go practically as far as a ton of old-fashioned manure.

Lōma is easy to apply. Simple directions are printed on each pacakage. Sold only in original packages—never in bulk.



Prices

1-lb. can	$ .25
5-lb. can	.50
10-lb. bag	.85
25-lb. bag	1.75
50-lb. bag	3.25
100-lb. bag	6.00

HYDRATED LIME. Unexcelled for sweetening sour land and soil. Can be broadcast and harrowed in or mixed with the soil. For dusting of plants and trees, Hydrated Lime is one of the best materials to mix with the insecticide. It is used also as a deodorizer and for making whitewash. 10 lbs. 25c; 50-lb. paper sack, 65c; 1 ton, $14.50 f.o.b. Washington, D. C.

ALUMINUM SULPHATE. Used to make soils acid. Especially recommended for growing Rhododendrons, Mountain Laurel, Azaleas and other shrubs for which it is necessary to approximate the acid soil conditions, their natural habitant and such as is generally the case in virgin forests where these shrubs grow wild. **Lb. 15c; 5 lbs., 50c; 10 lbs., 85c.**

SULPHATE OF AMMONIA. This material will stimulate growth almost immediately. Analysis: equal to 25% of ammonia. **100 lbs. $3.50.**

COTTON SEED MEAL. Exceedingly rich in potash and ammonia, making it excellent for use as a grass and grain fertilizer; for putting greens it is invaluable. **Lb., 10c; 2 lbs., 15c; 5 lbs., 35c; 10 lbs., 65c; 25 lbs., $1.25.**

BLOOD MEAL—FOR ROSES. For the best results with Roses, a tablespoonful to be sprinkled around the bush, about one inch away from the bush, every two weeks. It is also very valuable as a top-dressing in the vegetable garden, flower garden, around house plants, trees and in hot houses. **1 lb. 15 cts.; 3 lbs. 40 cts.; 5 lbs. 60 cts.**

GIVE YOUR SOIL WHAT IT NEEDS TO MAKE THINGS GROW

Use a Fertilizer that combines natural humus and organic matter with natural plant food. One that actually makes available and useful a great amount of fertility lying dormant and inactive in the soil.

WIZARD BRAND PULVERIZED SHEEP MANURE AND SHREDDED CATTLE MANURE is a particularly efficient material for making up the compost supply. It is used in this way by many florists who have limited space and who cannot mix their compost in the old way. It acts quickly, has a better effect on the soil, and is much more easily handled. WIZARD BRAND is just this kind of a fertilizer. It's all natural plant food and humus that makes better soil and better crops. No matter what you grow—fruit, vegetables and grain, or just flowers and grass about the home—WIZARD BRAND SHEEP MANURE "Makes Nature Hustle," and builds up your soil at the same time. **Price: 10 lbs. 50 cts.; 25 lbs. $1.00; 50 lbs. $1.75; 100 lbs. $2.75; ton, $45.00.**

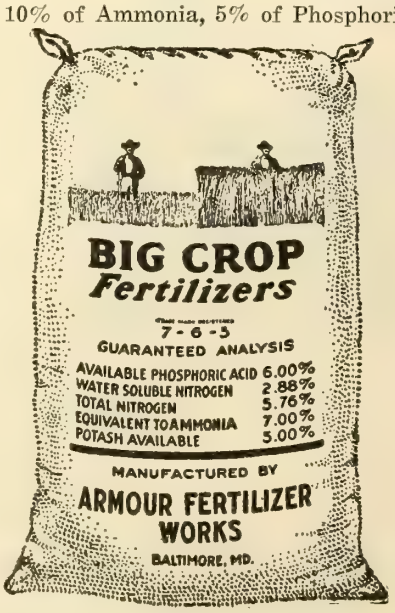
Wizard Brand Cow Manure at same prices as sheep manure.

Armour's Big Crop Fertilizers

Write for Special Prices

BIG CROP 7-6-5. We recommend this fertilizer to all who look forward to early and good crops. It is especially desirable for use on early truck crops and potatoes. Analysis 7% of Ammonia, 6% of Phosphoric Acid, 5% of Potash.

BIG CROP 10-5-2. Special Top Dresser Fertilizer, used especially for very early crops and tobacco beds. Analysis 10% of Ammonia, 5% of Phosphoric Acid, 2% of Potash.

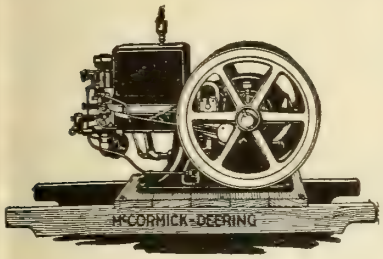


BIG CROP 4-8-4. Very popular for potatoes and many other crops where a medium priced fertilizer is desired. Analysis: 4% Ammonia, 8% Phosphoric Acid, 4% Potash.

BIG CROP 2-8-5 and GENERAL 2-9-2. Very popular fertilizers of moderate price for general use. Analysis: 2% Ammonia, 9% Phosphoric Acid, 2% Potash.

We are also prepared to furnish other brands of complete fertilizers; also 16% Acid Phosphate, 20% Superphosphate, Fine Ground Raw Bone Meal, Bone Meal, Nitrate of Soda, Sulphate of Ammonia, Sulphate of Potash, Dried Blood, Fine Ground Animal Tankage, Muriate of Potash and many others.

McCormick-Deering Kerosene Engine



Very simple and perfect System of Hopper Cooling.

Frost Proof.

Removable cylinder sleeve. Simple, effective kerosene mixer; unusually accessible and easy to operate.

Horsepower and Prices:

1½ H. P.	$67.50
3 H. P.	99.00
6 H. P.	160.00

The E-Z Hedge Trimmer

No More Broken Backs—No More Lame Arms—No More Weary Week-Ends

Your Handsome Hedge Can Now Be Kept Trimmed Quickly and Easily

It is easy to operate, without previous experience, by man or woman and is ready to function when connected to an electric light socket or battery.

It weighs only 4¾ lbs without wire. The flat surface on the cutting side allows you to do clean, smooth cutting on hedges and enables you to get the machine so close to the ground when you need to.

Besides the perfect trimming of your hedge by removing the guard through loosening one thumb screw, you can trim thick grass around bushes and even trim the bushes and smaller trees. All parts are absolutely guaranteed. Comes equipped with 100 feet finest quality water-proof wire. **Price $45.00.**

The E-Z Hedge Trimmer

1 roll roofing is sufficient to cover 100 sq. ft. of roof space. Price given is per roll.

Certain-teed Best Quality Roofing

1-Ply ..... $1.45 2-Ply $1.90
3-Ply $2.25

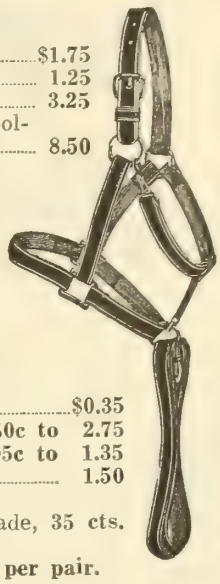
We have in stock the finest prepared roofing offered by anyone. We are willing to guarantee that for length of service it cannot be surpassed by any roofing of its kind.

RED AND GREEN SLATE TOP ROOFING. Price, $2.50.

CORPORAL ROOFING

1-Ply ..... $1.20 2-Ply $1.45
3-Ply $1.70

Harness



Halters, Leather, 1¼ in., machine-made	$1.75
Leather Cow Halter	1.25
Cart Bridles, extra heavy	3.25
Plow Harness, complete, per set (less Collar)	8.50
Trace Chains, per set	$1.20 to $1.40
Breast Chains, per set	.90 to 1.40
Butt Chains, per set	1.50

TIE OUT CHAINS

4½ foot	25 cts.
20 foot	70 cts.
30 foot	$1.00

Tick Lined Collars	$4.25 to $5.50
Red Edge Collar Pads	60 cts.
CURRY COMBS	$0.35
HORSE BRUSHES	50c to 2.75
STABLE BROOMS	95c to 1.35
MANURE STABLE FORKS	1.50

NEAT'S-FOOT OIL. Pt. 50 cts.

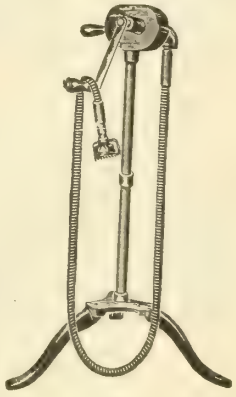
HAME STRAPS. 1 inch, machine-made, 35 cts. each; $3.25 dozen.

HAMES, No. 51. Virginia cart, $1.50 per pair.

BULL RINGS, $2.00 each.

STEEL SINGLE TREES	$ .85
STEEL PLOW DOUBLE TREES	1.35
Wooden Plow Set, Complete	4.50
U Bar Steel Set, Complete	4.00

Stewart No. 1 Enclosed Type Clipping Machine



The Only Ball-Bearing Clipping Machine

Price, complete for horses, $14.00.

Extra Blades

Top, No. 360 or No. 90	$1.50
Bottom, No. 361 or No. 99	2.00
3-Pt. Cutter, No. 276	.30
4-Pt. Cutter, No. P2311	.40
10-Pt. Comp. No. 277	1.00
13-Pt. Comp. No. G287	1.00

AUTOMOBILE OIL	per gallon, 75 cts.
GAS ENGINE OIL	per gallon, 75 cts.
DE LAVAL HAND SEPARATOR OIL—	½ gallon 70 cts.; per gallon, $1.10
DE LAVAL TURBINE OIL	per gallon, $1.35
DE LAVAL TURBINE OIL	5 gallons, $5.00
AXLE GREASE (Frazier's)	1 lb. 25 cts.; 3 lbs. 55 cts

Brooms

Rattan, 16-in.—6 row	$1.25
Bass, 16-in.—6 row	1.00
Handles	.25
Corn No. 6	.90
Mixed No. 9 XXXX 40-lb.	1.35
Corn and Rattan wired	1.35
Special 6 Star	.70

Insect Destroyers and Insecticides

Poison Cannot Be Sent By Mail

ANTROL. A recently discovered method that is most effective for the control of all honey-dew loving ants. Set consisting of 4 small glass jars and supply of Antrol syrup, 95 cts. Additional syrup, 4 ozs. 45 cts.; pint (16 ozs.), 95 cts. (Not mailable.) Circular upon request.

ARSENATE OF LEAD (Dry Powdered). Is produced under a new process. Contains at least 33 per cent arsenic. Superior to paste arsenate, stands suspension longer, and has more covering capacity. **Lb. 40 cts.; 4 lbs. 85 cts.; 48 lbs. $10.00; 100 lbs. $20.00.**

ATLACIDE NON POISONOUS WEED KILLER DUSTER exterminates all undesirable vegetation including Poison Ivy, Canada Thistle, Johnson Grass, etc., without danger of poisoning humans or animals. Simply shake powder from can on the weeds and grasses to be killed. Especially recommended for obtaining weed-free driveways, paths, tennis courts and gutters.

1-lb. DUSTER ..... **50c each**
(kills 100 sq. feet of weeds)

3½-lb. DUSTER ..... **$1.50 each**
(kills 350 sq. feet of weeds). Mailable.

"Black Leaf 40"

Nicotine Sulphur—40 per cent Nicotine

It destroys Aphis (plant lice), Thrips, Leafhoppers on all tree, bush and vine fruits, vegetables, field crops, flowers and shrubs, also Apple Red Bug, Pear Psylla and similar soft-bodied sucking insects—all without injury to foliage. **Prices, 1 oz. 35 cts., 5 gals. spray; ½ lb. $1.25, 40 to 120 gals.; 2 lbs. $3.25, 160 to 500 gals.; 10 lbs. $11.85, 800 to 1,250 gals.**

BORDEAUX MIXTURE (Dry Powdered). Twenty-two per cent copper. The best fungicide for curing and preventing black rot, mildew, blight, leaf curl, scab or other fungoid diseases on fruits and plants. **Lb. 40 cts.; 4 lbs. 80 cts.; 48 lbs. $8.00; 100 lbs. $15.00.**

BORDEAUX ARSENATE OF LEAD MIXTURE (Dry Powdered). A combined Fungicide and Insecticide. For Apple and Pear Trees, Potatoes, Melons and Cucumbers; also splendid for roses, keeping them free of mildew, black spot and insects of all sorts. **Lb. 40 cts.; 40 lbs. $10.00.**

Brown Patch Fungicides

Nu-Green	25 lbs. $37.50;	100 lbs. $145.00
Turf Calomel	25 lbs. $43.50;	50 lbs. $85.00
Calo-Chlor	25 lbs. $67.50;	50 lbs. $132.50
Calogreen	25 lbs. $64.25;	50 lbs. $128.00

Semesan—See page 81.

CALCIUM ARSENATE. Especially effective against Bean Beetle when dusted with lime using a 1 to 7 formula. **1 lb. 25c; 4 lbs. 50 cts.; 48 lbs. $5.85.**

COPPER SULPHATE. Blue Stone. **1 lb. 15 cts.; 5 lbs. 65 cts.; 25 lbs. $2.50.**

COPPERCARB. A dry dust treatment for seed wheat to kill smut spores. **5 lbs., $1.00.**

Cyanogas

CYANOGAS. A modern fumigant for greenhouse or orchard use and for extermination of rodents, vermin, etc.

Cyanogas G for greenhouse, mushroom and soil fumigation.

Cyanogas A to kill ants, rats, moles, woodchucks, fleas, moths, bats, etc.

100-lb. drums, $30.00; 25-lb. tins, $10.00; 5-lb. tins, $3.00; 1-lb. tin, 75 cts.

DRITOMIC SULPHUR. Recommended for the control of scab on peaches, brown rot on peaches, plums and cherries and cedar rust on apples. Directions: 5 to 7 lbs. to 50 gallons of water. **4-lb. pkg. 75 cts.; 40 lbs. $6.50.**

EVER GREEN NON-POISONOUS INSECTICIDE

A non-poisonous contact insecticide. Kills Rose Chafers, Bean Beetles, Cutworms, Aphis, Slugs and other pests. **1 oz. 35 cts.; 6 oz. $1.00; 16 ozs. $2.00; 32 ozs. $3.50; gal. $13.00.**

FISH OIL SOAP. Dissolved in water makes an excellent spray for scale on palms, etc. **1-lb. pkg. 40 cts.**

FLOUR OF SULPHUR **Per lb. 10 cts.; 10 lbs. 85 cts.; 25 lbs. $1.75; 100 lbs. $6.00.**

FLUOSILICATE DUST MIXTURE. Acts as both a contact poison and a stomach poison. Is adapted for the control of Mexican Bean Beetles, Potato Bugs (Beetles), Striped Cucumber Beetles, Blister Beetles, certain Flea Beetles, and Boll Weevils, and it may also be used to destroy Cutworms, to rid premises of Ants and Roaches, and to kill the Lice on fowls. **25 cts. lb.; 5 lbs. $1.00; 10 lbs. $1.75; 25 lbs. $3.75.**

FUNTROGEN. A most effective and scientific preventive and remedy for Mildew, Black Spot, and other fungoid diseases of roses. Will not discolor the foliage. **½ pt. 75 cts. pt. $1.25; qt. $2.00; ½ gal. $3.50; gal. $6.00.** (Not mailable.)

GULF VENOM. Kills many insects. Is not poisonous. 100 per cent active ingredients. Kills Flies and Mosquitoes, Moths, Roaches, Ants, Bed Bugs, Fleas and many other household insects. Will not stain. Clean, pleasant odor. **Gal. $3.50; case of 10 at $3.00 gal.**

KAYSO enables you to get your trees completely covered by a protective film of poison, with no unprotected spaces. Keeps the spray from washing off. **2-lb. pkg. 65 cts., postpaid.**

K-R-O KILLS RATS AND MICE ONLY. Will rid your premises without endangering your Pets, Live Stock, Poultry, etc. Perfectly harmless to even baby chicks. This wonderful new exterminator is the only one of its kind on the market that is harmless to animals other than rats and mice. It fulfills a long-felt want among users of rat exterminators. **2 oz. box, 75 cts.**

LIME SULPHUR (DRY POWDER). This preparation is scientifically prepared and is widely recommended, and known as the best preparation for San Jose Scale, Oyster Shell Scale, etc. **1 lb. 40 cts.; 5 lbs. $1.35; 10 lbs. $2.25; 12½ lbs. $2.75; 100 lbs. $13.50.** Get price on larger quantities.

LIME SULPHUR SOLUTION. **1 gal. 95 cts.; 5 gallons, $3.75; 30 gallon drums, $7.00; 50 gallon drums, $11.00.**

MAGNESIUM ARSENATE.—Recommended for spraying Bean Beetles. **2 lbs. 80c; 100 lbs. $27.50.**

PARIS GREEN. **¼ lb. 15 cts.; lb. 40 cts.; 5 lbs. $1.95.**

PENETROL. Its efficiency as an activator for nicotine spraying solutions in the control of aphis and similar pests has been verified by the Crop Protection Institute and a number of State Agricultural Experiment Stations.

At all normal temperatures **Penetrol** is a free-flowing liquid. It is not injured by freezing or by hot weather. It does not deteriorate on standing. It is a standardized uniform preparation. It is non-inflammable and non-explosive. It mixes readily with normal waters (soft and hard). It may be combined with, and is an excellent spreader for, Bordeaux Mixture and Lead Arsenate. It may be used as a free-flowing and efficient carrier for Pyrethrum Extracts. **1 qt. 75 cts.; 1 gal. $1.75.**

Pyrox

PYROX. An Insecticide and Fungicide. Apple growers swear by this; potato growers make larger crops by its use. It does not wash off as do other poisons. It guards against all chewing insects and prevents rots and blights. **Lb. 50 cts.; 5 lbs. $1.75; 10 lbs. $3.00; 25 lbs. $6.25; 50 lbs. $10.75; 100 lbs. $15.50.**

PARA-DICHLOROBENZENE. The only effective cure for peach tree borer. Use one ounce to each tree. One treatment will absolutely eradicate the borers, and will get every one. **Lb. 65 cts.; 5 lbs. $2.25; 25 lbs. $9.50.**

Pomo-Green **The Leaf-Green Rose Dust.** Will control Black Spot, Mildew and external chewing insects on roses. Also Snap-dragon Rust, Carnation Rust and Mildews in general on flowers and shrubs. **1-lb. can, 50 cts.; 5-lb. carton, $2.00.**

RED ARROW. Especially effective against Bean Beetles, Aphis, Slugs, Rose Chafers and other insects. It is non-poisonous. **Oz. 35 cts.; ¼ pt. $1.00; ½ pt. $1.75; qt. $6.00 1 gal. $20.00.**

SCALECIDE. A miscible oil used as a dormant spray against Scale and other pests. **Qt. 75 cts.; gal. $1.60; 5 gals. $6.00.**

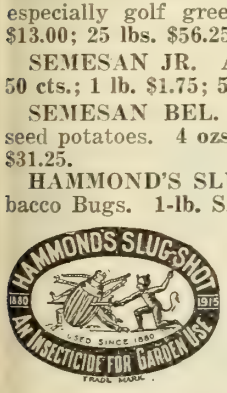
Semesan

SEMESAN. A disinfectant for use in treating seed to improve germination and vigor of growth, as well as to kill disease carried on the seed coats. As a fungicide it is unexcelled for the treatment of brown patch in grasses, especially golf greens. **2 ozs. 50 cts.; 1 lb. $2.75; 5 lbs. $13.00; 25 lbs. $56.25.**

SEMESAN JR. A dust disinfectant for seed corn. **4 oz. 50 cts.; 1 lb. $1.75; 5 lbs. $8.00; 25 lbs. $31.25.**

SEMESAN BEL. An instantaneous dip disinfectant for seed potatoes. **4 ozs. 50 cts.; 1 lb. $1.75; 5 lbs. $8.00; 25 lbs. $31.25.**

HAMMOND'S SLUG SHOT. Well known remedy for Tobacco Bugs. **1-lb. Sifter Top, 20 cts.; 5 lbs. 55 cts.**



SNAROL. An effective bait for controlling Cutworms, Grasshoppers, Snails, Slugs and Sow Bugs. Not injurious to plants or other vegetation. **1 lb. 45 cts.; 3 lbs. 95 cts.**

So-Bos-So Kilfly

Keeps the Flies Away from the Cow
Increases Milk Production Over 20 Per Cent

Use it and milk in comfort—the stuff that keeps off the fly and mosquito. Few things there are that do as much to relieve the farm animals as this. It saves feed, helps cows to produce more milk and, at the same time, saves the nerves of the milkers. We recommend this preparation highly. **Price, ½ gal. 95 cts.; gal. $1.50.**

TOBACCO DUST. Fatal to green and black fly and similar garden pests, by simply dusting over the plants. If dug around the roots will keep away all pests below ground and insure health to the plants. **Lb. 10 cts.; 10 lbs. 75 cts.; 25 lbs. $1.50; 100 lbs. $4.50.**

TOBACCO STEMS. 100-lb. bales **$2.00**

TUBER TONIC. Unexcelled for potatoes. **Lb. 45 cts.; 5 lbs. $2.00.**

VOLCK. A spray for the garden, nursery and greenhouse; effectively controls red spider, mites, white flies, scales, mealy bugs, caterpillars, aphis, thrip, etc.; not only kills the insects but also acts as a repellent. **Per ½ pt. 45 cts.; pt. 65 cts.; qt. $1.10, postpaid. Gallon, $3.00.**

GRAFTING WAX. Used for grafting trees and other plants. ¼ lb. 30 cts.; ½ lb. 60 cts.

Inoculate

ALL LEGUMES

Alfalfa, all Clovers, Soy Beans, Cow Peas, Peas, Beans, Vetch, Peanuts with

NOBBE-HILTNER PROCESS NITRAGIN
TRADE MARK REGD. DEC. 5, 1898 NO. 32212

THE ORIGINAL LEGUME INOCULATOR
Gnaranteed Fresh Each Year—Leads in High Germ Count

For profitable results. Agricultural Colleges advise inoculation for all legume seed, because it pays well in producing larger quality yields. Fresh, high count NITRAGIN, containing billions of efficient nitrogen-gathering germs, builds up the soil.

All Legume Germs are PERISHABLE. To Protect You, NITRAGIN Cans are Stamped With Expiration Date. Insist on NITRAGIN.

Mixing Nitragin with Seed

Legume germs die rapidly when dried. NITRAGIN, containing between 30% — 40% moisture, will readily stick to the seed without adding water, and give inoculation. However, for best results, the preferred practice, recommended by The Nitragin Company and Agricultural Authorities is to use water when mixing legume culture with seed.

NITRAGIN PRICES

Alfalfa, All Clovers

Size	Retail
¼ bu.	$ .40
½ bu.	.60
1 bu.	1.00
5 bu.	4.75

When ordering, always specify kind of seed

Peas, Vetch, Beans, Austrian Winter Peas

Size	Retail
½ bu.	$ .40
1 bu.	.60
*1 2–3 bu.	.90
3½ bu.	1.80
5 bu.	2.50

* Also called "100-lb. size."

Soy Beans and Cow Peas

1 bu.	$ .40	5 bu.	$1.50
2 bu.	.70	10 bu.	2.50

Garden Nitragin—Garden Size—Peas, Beans, Sweet Peas. Inoculates from 1 oz. to 8 lbs. seed. **Price 25 cts.**

IMPORTANT—When ordering NITRAGIN, always be sure to state kind of legume seed you wish to inoculate. Nitragin has served the American farmer since 1898.

Ellisco Beetle Catchers

"Red Star Brand"
(Patent Applied for)

This Beetle Trap is the result of scientific researches on the destruction of the Japanese Beetle. The new vertical wing, with perforated bait lure, attracts and holds even the most elusive of these beetles and holds them directly over the funnel into which they drop. Need be baited only once a season; bait sold separately, with full directions.

No. 1 size, fits on any Mason jar or similar container, made of tin, **$1.00 each.**

Beetle Bait. ¼-pt. cans for use with No. 1 trap, **35 cts.**

"OUR BUSINESS IS GOING TO THE DOGS"

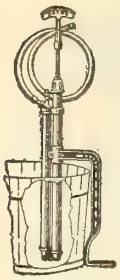
CHAMPION DOG BISCUIT

CHAMPION DOG BISCUIT (Large Whole Biscuit)
2-lb. package, 40c each; 4-lb. package, 70c each; 25-lb. bags or containers, 12½c lb.; 50-lb. bags or containers, 12c lb.

CHAMPION KIBBLED DOG BISCUIT
8 ozs. 15c; 5-lb. package, 75c each; 25-lb. bags or containers, 14c lb.; 50-lb. bags or containers, 13c lb.

CHAMPION MIDGET BISCUIT (Small Whole Biscuit)
1½-lb. package, 30c each; 25-lb. bags or containers, 14c lb.; 50-lb. bags or containers, 13c lb.

CHAMPION PUPPY MEAL (Ground for the Pup)
1½-lb. package, 30c each; 25-lb. bags or containers, 14c lb.



Spray Pumps

BRASS BUCKET PUMP ATTACHMENT, ETC., with 3 feet of ⅜-inch Discharge Hose and Seneca Spray Nozzle. **Price, $4.50.**

COG GEAR LEVER BUCKET SPRAYER. Price, $6.50.

Knapsack Sprayers

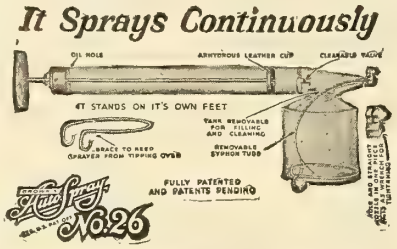
THE AUTO SPRAY. Eight to ten strokes of the plunger in air chamber will compress enough air to discharge the entire contents and make a continuous spray for 9 minutes. The "Auto Pop" is an automatic valve which is closed by the air pressure used to operate the "Auto Spray." In operation a lever is moved by simply closing the hand, thus opening the valve and allowing an instantaneous discharge of spray. Four-gallon capacity. **Price,** Galvalized Iron Reservoir, with Auto Pop, **$6.00;** Solid Brass Reservoir, with Auto Pop, **$9.00.** Extension Rods, 2-foot length, **50 cts.**

Myer's 2½-Gallon Galvanized Tank **$5.25**

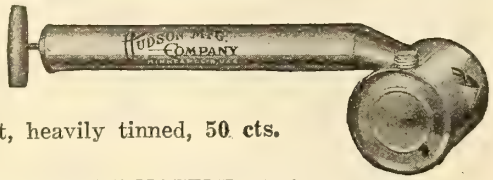
Hand Sprayers

Every one who raises chickens knows how important it is to keep out vermin. Use a spray and the work is done. The illustration is of a spray that will do the work well and cheap.

1 qt., all tin **90c**
1 qt., brass **$1.50**



Syphon Sprayer



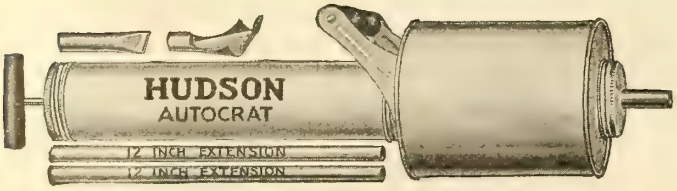
One-quart, heavily tinned, **50 cts.**

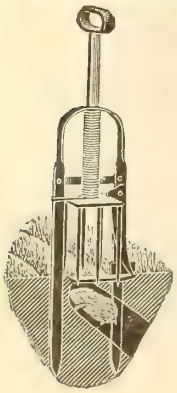
THE MISTY JR. SPRAY NOZZLE. Price, 75 cts.

We carry a large assortment of repair parts for Spray Pumps and Attachments.

MAJOR DUSTER

Far superior to the bellows in that it makes a much finer dust and spreads the same more evenly.
Price **$1.25**





AUTOCRAT DUSTER

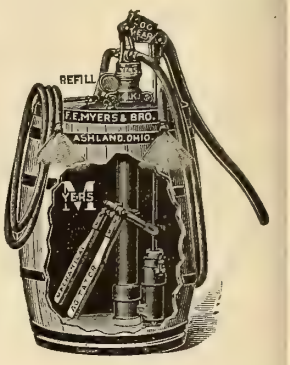
Heavy Duty 6¾x5½ Powder Reservoir. **Price, $2.75.**

Mole Traps

The Mole causes great loss and annoyance to the growers and market gardeners. One Mole can cause the loss of an entire seed bed in a few hours. One Mole Trap will catch and destroy them. We guarantee them to work satisfactorily.
Price ..... **90 cts. each**

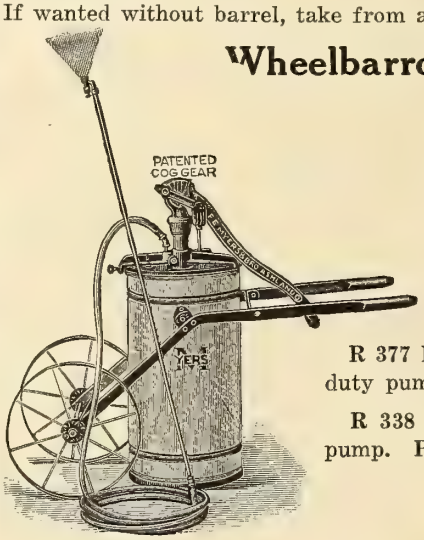
Barrel Sprayers

These Sprayers have Easy Operating Cog Gear Head, Mechanical Agitator, Solid Brass Ram Plunger, Ground Bevel Brass Valve and Seat, Large Air Chamber, and are equipped as indicated in list below. This construction enables the operator to carry up to 200 lbs. pressure with ordinary exertion which is sufficient to supply two leads of hose satisfactorily. Adjustable Malleable Iron Base permits pump to be used in different size barrels.



R 308. Heavy Duty **$33.00**
R 318. Standard **$21.00**
If wanted without barrel, take from above prices **$5.00**

Wheelbarrow Sprayers



A most popular outfit, being strongly mounted on a steel truck; can be wheeled anywhere with ease. Capacity, 12 gallons.

R 377 B, equipped with heavy duty pump. **Price, $26.00.**

R 338 B, equipped with light pump. **Price, $17.00.**

Vermorel Duster

The easiest action knapsack duster. Is especially adapted for hill or row dusting.

$15.00

Tree Tanglefoot

For protecting trees against climbing insect pests in a simple economical and effective way. Tree tangle foot, sticky substance applied directly to the bark of the tree. One application remains sticky on the trees for 3 months fully exposed to the weather. It is easily applied with a small wooden paddle. One pound will spread 8 feet long by 5 inches wide, 1/16 inch thick. **Prices: 1 lb. can, 60 cts.; 5 lb. can, $2.75; 10 lb. can, $5.25; 25 lbs. $11.00.**

Flower Pots

	Ea.	Doz.	100
2-inch	.03	.20	$1.15
3-inch	.04	.35	1.95
4-inch	.05	.45	3.00
5-inch	.08	.75	5.40
6-inch	.12	1.15	8.10
7-inch	.20	1.85	13.50
8-inch	.25	2.75	19.50
9-inch	.35	4.00	30.00
10-inch	.50	5.50	41.50
12-inch	.95	10.00	82.50

Saucers

	Ea.	Doz.	100		Ea.	Doz.	100
4-inch	.03	.30	$2.25	8-inch	.10	$1.10	8.25
5-inch	.04	.40	3.00	9-inch	.13	1.50	11.25
6-inch	.06	.65	4.50	10-inch	.16	1.75	13.25
7-inch	.08	.80	6.00	12-inch	.25	2.75	20.25

Inside measurement. No charge for packing. 6 at doz. rate; 50 at 100 rate. Cannot mail. Freight or express extra.

Thermoid Rubber Saucers

Won't Leak — Won't Break

Made of a durable and sturdy rubber compound with cleated bottom to allow water to drain through the flower pot. Furnished in either red or green.

Size	Price, Red or Green Your Selection
4½-inch	$0.17
6-inch	.24
6½-inch	.27
7½-inch	.40
9-inch	.49
10-inch	.78
12-inch	1.07

Waterproof Paper Pots

	Doz.	100	1000
2½-inch	.15	.60	$5.00
3-inch	.20	.80	6.70
4-inch	.25	$1.30	11.40

Dirt Bands

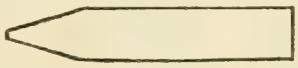
They form square bottomless pots that can be transplanted without removing plant from pot or disturbing roots. Size, 3 x 3 inches. **$4.25 per 1,000; $2.25 per 500; 75 cts. per 100; 15 cts. per doz.**

Cedar Plant Tubs

Virginia White Cedar painted deep green and bound with three bands heavy black wire. Two larger sizes bound with broad iron bands. Handles and feet are black iron.

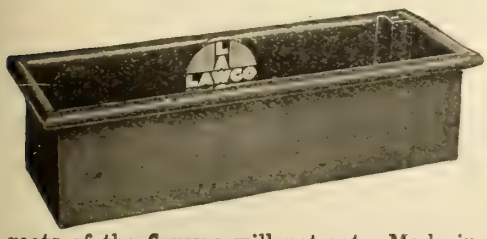
	Each
12-inch, without handles	$1.30
14-inch, without handles	1.85
16-inch, without handles	2.35
14½-inch, with handles and metal feet	3.80
19 7/16-inch with handles and metal feet	5.40

Plant Labels



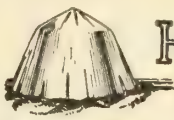
	Doz.	100	1000
Painted Copper Wired, 3½-in.	.10	.50	$3.25
4-in. Pot, Painted	.10	.35	2.25
8-in. Pot, Plain	.15	.95	7.85

Lawco Window Boxes



Made of heavy galvanized steel with all edges soldered and coated with green enamel. They are scientifically ventilated so that the roots of the flowers will not rot. Made in four sizes.

18 inches long	$1.05	30 inches long	$1.30
24 inches long	1.15	36 inches long	1.65



Germaco

Hotkaps

New Method of Plant Protection

A money-maker—matures crops earlier; shields plants from frost, wind and rain; protects them from insects; miniature "hot-houses." An amazing invention—crop INSURANCE. A revolutionary device that saves farmers much in time, labor and money. One roll of a thousand, $11.50. **Steel Setter, $2.50; 250 Hotkaps with Papier Mache Setter and Steel Tamper, $4.00; 100 Hotkaps with Papier Mache Setter and Steel Tamper, $2.50. Postage or express extra.** Write for quantity prices and pamphlet.

Hot Bed Sash

Made of the best white pine. Unglazed and not painted. Size 3 feet 2 inches by 6 feet. Four rows 8-inch glass. **Price, $1.60.** Write for prices on glass.

MATS—76 x 40, **$1.90; 76 x 76, $3.25.**

Glazing Putty

Duroplastic Black—Gal. $1.75; 5 gals. $8.50.
White or Gray—Gal. $3.00; 5 gals. $13.25.
Putty Gun, $5.25.

Gator-Hide Mulch Paper

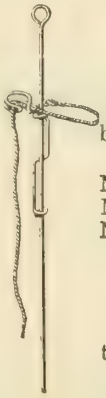
The newest method used in mulching plants. It eliminates weeds without the expense of cultivation, and at the same time conserves moisture, speeds up growth and makes more sturdy plants. It is made of strong, tough paper thoroughly treated with asphalt.

	18-ins. wide	36-ins. wide
Type A, 300 yards	$3.50	$7.00
Type B, 150 yards	3.50	7.00
Weight	30 lbs.	60 lbs.

Garden Package—Type B, 15 yards, $1.00. 3 lbs.

Plant Stakes

	Ea.	Doz.	100
3-ft. Wood	.10	$1.00	$8.00
4-ft. Wood	.15	1.40	10.50
6-ft. Wood	.25	2.50	16.50
2-ft. Bamboo, light		.20	1.00
3-ft. Bamboo, light	.35	1.40	8.00
4-ft. Bamboo, heavy	.05	.50	3.50
8-ft. Bamboo, heavy	.10	1.00	7.00



Time-Saver Adjustable Plant Supports

Made of heavy wire and cord. Adjustable for both height and diameter.

	Ea.	Doz.
No. 2—3 ft. high	.10	$1.15
No. 3A—4 ft. high	.20	2.20
No. 4—5 ft. high	.25	2.75

Raffia

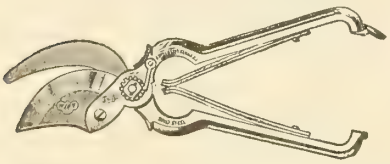
For tying asparagus, also used extensively for tying plants to stakes.

1 lb., 50 cts.; 5 lbs., $2.00.

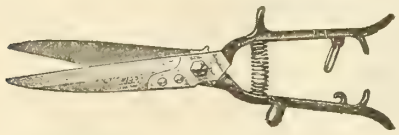
HEDGE SHEARS

6½-in. Wiss Steel Handled	$2.75
9-in. Wiss Steel Handled	3.50

PRUNING SHEARS



No. 409 Wiss	$2.00
No. 209 Wiss	1.50
Capitol Hand Shears	1.00
Fresno Pruners	2.75
Wood Handle, Steel Plate	1.75
8-ft. Rous Tree Pruners	2.00
10-ft. Rous Tree Pruners	2.25
12 ft. Rous Tree Pruners	2.50
Curved Pruning Saws	1.25



Doo-Klip Grass Shears	$1.50
Long Handle Doo-Klip	2.50
No. 600 Wiss Grass Shears	1.50
Capitol Grass Shears	.75
Sheep Shears	1.50
Long Handle Border Shears	3.30

SICKLES

Nowatco	$.60

STEEL HOES

Sizes 6 and 8

Solid Socket	$1.00
Planters' Hoe, heavy handle, suitable for stiff ground	1.10

SCYTHES

Diamond Grass	$1.65
Diamond Bush, Assorted	1.65
Waldron, 36 and 38 in.	2.50 to 2.60

SNATHS

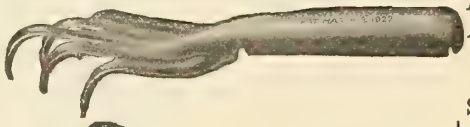
Patent	$1.65	Rings	$1.85

SCYTHE STONES

Darby Creek	$.20

GARDENER'S TRANSPLANTING TROWELS

All Steel	$ .20
All Steel Narrow	.20
Heavy Forged	.75
Hoe Trowel	.65



Germaco

All Steel Weeder	$ .20
Ideal Weeder	.30
Germaco Lawn Weeders	.75
Out-U-Kum Lawn Weeders	.75
Cronk Lawn Weeders	.50

Norcross Weeder

An excellent weeder for all purposes.

3 tine	$ .85
5 tine	1.25
Midget, 3 tine	.50

DIBBLES

Bent Wood Handles, Steel Points	$.65
All Iron Handles, Steel Points	.65

IRON AND STEEL GARDEN RAKES

12-tooth Steel Rake	$1.00
14-tooth Steel Rake	1.10
14-tooth Steel Bow	1.25
16-tooth Steel Bow	1.35
Bamboo Rake	.49
Wire Rake	.90

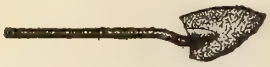
MATTOCKS, HEAVY STEEL

Steel 5-inch Long Cutter	$ .90
Picks	.90
Handles, extra	.50
Potato Drags, light	.95
Potato Drags, heavy	1.20

ASPARAGUS BUNCHER

Price, $4.00

SHOVELS, LONG HANDLES



Steel, Flexible Blade	$1.00
Special, Round Point	1.40
Ames, Round Point	2.35
Ames, Square Point	2.35

SPADES

Special, "D" Handle	$1.40
Ames, "D" Handle	2.35
Boys' or Transplanting Spade	1.20
Nursery Spade	2.15

SPADES, LONG HANDLE

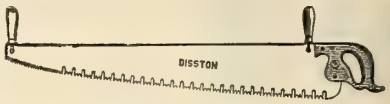
Ames	$2.35

SPADING FORKS

"D" Handle, light	$1.35
"D" Handle, heavy	2.00

PITCH FORKS

Acme, 4 tine	$1.70
Crucible, 4 tine	1.50
Long Handle, 3 tine	1.70



CROSS-CUT SAWS

3½ ft. 1-Man X-Cut Saw	$3.75
4 ft. 1-Man X-Cut Saw	4.25
5 ft. 2-Man X-Cut Saw	3.45
5½ ft. 2-Man X-Cut Saw	4.00
6 ft. 2-Man X-Cut Saw	4.25

BRUSH AXES

Beatty	$1.65
Hand Axe	.25

AXES

3½ to 5-lb., without handles	$1.90
3½ to 5 lb., with handles	2.45

HANDLES

Axe Handles	$.50
Pick Handles	.65
Rake Handles	.25
Garden Hoe Handles	.20
4¾-ft. Fork Handles, Strapped	.50
6-ft. Fork Handles, Strapped	.60
4½-ft. Shovel Handles, Strapped	.70
D. Spade Handles	.70
D. Spading Fork Handles	.70
D. Manure Fork Handles	.70
D. Shovel Fork Handles	.75

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CORN	10 LBS.	50 LBS.
Prosperity	.75	3.40
Reid's Yellow Dent	.75	3.00
Choice Yellow Dent	.70	2.75
Boone Co.White	.75	3.00
Hickory King	.80	3.50
Eureka Ensilage	.75	2.40

CLOVERS	10 LBS.	50 LBS.
ALFALFA	3.00	12.50
Sapling	3.50	15.00
Medium Red	3.40	14.85
Crimson	1.50	6.00
Alsike	3.[illegible]5	13.50
White	4.50	
White Sweet	1.50	6.00
Japan	2.60	11.25

MISCELLANEOUS		
White Springs Oats	.40	1.50
Hairy Vetch	1.50	5.75
D.E.Rape	1.15	3.50
Tennessee Millett	1.25	4.00
Japan Buckwheat	.65	2.50
Canada Peas	.85	3.40
Sorghum	.85	3.50

SOY BEANS		
Mammoth Yellow	.60	2.25
Mammoth Black	.60	2.25
Wilson Early	.70	3.35
Va. "	.75	3.00

GRASSES		
Kentucky Blue	4.50	19.50
TIMOTHY	1.50	5.50
Red Top	3.25	14.25
Orchard	2.25	10.00
Sudan		
Perennial Rye	1.75	6.50
Italian "	1.75	6.25
Creeping Bent	11.50	50.00
Sheep Fescue	3.35	14.00
Red Fescue	4.50	20.00

COW PEAS		
Whippoorwill	.80	2.75
Clay		
Mixed	.75	2.50

POTATOES

	Bbl.	Bu.	Peck.
Trust Busters	4.75	2.50	.85
Irish Cobblers	4.50	2.35	.75
Early Rose	4.50	2.35	.75
Red Bliss	4.75	2.50	.85
Prosperity	4.[illegible]5	2.50	.85
Green Mountain	4.50	2.35	.75
Spalding	4.50	2.35	.75
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